

# دليل مواد ومنتجات المباني الخضراء ومختبرات فحصها

## Manual of Green Building Materials, Products & Their Testing Facilities





As per the vision of Dubai Municipality & Dubai Electricity & Water Authority and the interest of public and customers, total of (79) Green Building Regulations have been issued.

This manual is a register of different types of Green Materials, products & their testing facilities that will be updated periodically.

The end user/customer shall make sure that these materials and testing facilities are certified/accredited as per the requirements of Dubai Municipality.

For enquiry, please contact  
Engr. Ali Ahmed Elian,  
Head of Engineering Materials Section of  
Dubai Central laboratory—Dubai Municipality.  
Tel. 04 3027272,  
Fax. 04-3366160  
E-Mail: [aelian@dm.gov.ae](mailto:aelian@dm.gov.ae)





# 300

Section Three  
**Econlogy  
And Planning**

<b>301</b>	<b>Chapter 1: Access and Mobility</b>
<b>301.01</b>	<b>Preferred Parking</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Administrative Resolution No. – 125 – 2001
	<b>Availability of material</b>
	Not Applicable
<b>301.02</b>	<b>Enabled access</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Special Need Toilet
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Administrative Resolution No.- 125 – 2001 U.A.E. Federal Lab. No. 25 - 1999
	<b>Availability of material</b>
	1. Special need Toilet
<b>301.03</b>	<b>Bicycle Storage and Changing Rooms</b>
	<b>Applicable Materials &amp; Systems</b>
	Cycle Rack
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Administrative Resolution No.- 125 – 2001 Dubai Bicycle Master Plan 2008 - RTA
	<b>Availability of material</b>
	1. Cycle Rack

<b>302</b>	<b>Chapter 2: Ecology and Landscaping</b>
<b>302.01</b>	<b>Local Species</b>
	<b>Applicable Materials &amp; Systems</b>
	<ol style="list-style-type: none"> <li>1. Vegetated roof</li> <li>2. Planted area</li> </ol>
	<b>Applicable Standards / Regulations</b>
	Not Applicable
	<b>Availability of material</b>
	<ol style="list-style-type: none"> <li>1. Vegetated Roof</li> </ol>
<b>303</b>	<b>Chapter 3: Neighborhood Pollution</b>
<b>303.01</b>	<b>Exterior Light Pollution and Controls</b>
	<b>Applicable Materials &amp; Systems</b>
	<ol style="list-style-type: none"> <li>1. Light shield</li> <li>2. Automatic Control for Exterior Lighting</li> </ol>
	<b>Applicable Standards / Regulations</b>
	Not Applicable
	<b>Availability of material</b>
	<ol style="list-style-type: none"> <li>1. Light Shield</li> </ol>
	<ol style="list-style-type: none"> <li>2. Automatic Control for Exterior Lighting</li> </ol>

304	Chapter: 4 Micro Climate & Outdoor Comfort
304.01	Urban Heat Island Effect
	<b>Applicable Materials &amp; Systems</b>
	1. High SRI Roof
	<b>Applicable Standards / Regulations</b>
	ASTM E – 1980, C – 1549, C – 1371, E 408
	<b>Availability of material</b>
	1. High SRI Roof
	<p><b>ROOF CARE CO.L.L.C,</b>  Contact Details: P.O Box- 1813, U.A.Q.  Tel: +971 6 7670666, Fax:+971 6 7670198,  E-mail: <a href="mailto:roofcare@emirates.net.ae">roofcare@emirates.net.ae</a>,  <a href="http://www.roof-care.com">www.roof-care.com</a></p> <p>Contact Person: Saji P. Varghese (+971 50 9387403)</p> <p>The professional team of <b>ROOF-CARE</b> offers two comprehensive systems called: <b><u>“COMBO ROOF SYSTEM- for roof water proofing and heat insulation”</u></b> and <b><u>“Henkel Ceresit External Insulation Finishing System for External Walls”</u></b> with Dubai municipality’s approval and manufacturer’s performance guarantee.</p>
	<p><b>Al serkal &amp; Assarain concrete products LLC</b>  Contact Details: P.O Box 282935, Dubai  Tel: +971 4 8842207 Fax: +971 4 8842250  Mob: +971 50 7082104  E mail: <a href="mailto:pm.ak@alserkal-assarain.com">pm.ak@alserkal-assarain.com</a>  <a href="http://www.alserkal-assarain.com">www.alserkal-assarain.com</a></p> <p>Contact Person: Mr. Aswinikumar Kakshmaiah</p> <p><b>Specialist in green building products:</b> Roof slabs/Masonry normal &amp; light weight blocks/Pavings-Flags/Insulation sandwich &amp; Roof filler blocks/Kerb stones.</p>
304.02	Green Roof



ISO 9001 – ISO 14001 – ISO  
18001 / EPD/ DCL Quality  
Conformity Mark



## Applicable Materials & Systems

1. Green Roof System

## Applicable Standards / Regulations

ASTM E – 2400, ASTM E - 1980

## Availability of material

1. Green Roof System

## 304.03 Light Colors on the Outside of Buildings

## Applicable Materials & Systems

1. High LRV Coatings & Paints

## Applicable Standards / Regulations

BS 8493: 2008 + A1, ASTM E 1175, DM/DEWA Green building regulation.

## Availability of material

1. High LRV Coatings & Paints

### Jotun Paints

Contact Details: Jotun UAE Ltd. P.O.Box 3671,  
Al Quoz, Dubai.  
Tel 04 3395000 Fax: 04 3380666  
E mail: [csd@jotundxb.ae](mailto:csd@jotundxb.ae)  
<http://www.jotun.com/me>

Contact Person: Mr. Wael Fahmy  
Regional sales Manager

Founded in 1926 in Norway and established in the Middle East since 1974, Jotun - one of the world's leading paint manufacturers, contributes to the environment by developing and offering competitive, sustainable products and solutions. A truly single source solution for clients, consultants and contractors alike.





**Energy Zone L.L.C.****Contact Details:**

P.O.Box # 62650, Dubai  
Tel-04-2671622, Fax-04-2671633  
E mail. [energyzo@eim.ae](mailto:energyzo@eim.ae)  
[www.energyzonecoating.com](http://www.energyzonecoating.com)

**Contact Person:**

Eng. Claude Nasif,  
Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...  
Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere

**Caparol LLC.****Contact Details:**

Tel.04 - 3473538 Fax.04-3474256  
E.mail: [info@caparol.ae](mailto:info@caparol.ae)  
[www.caparol.ae](http://www.caparol.ae)

**CAPAROL****Contact Person:**

Mr.Ahmed El Bayaa,  
Regional Sales Manager

**Products Offered:** Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

**AkzoNobel****Contact Details:** P.O Box 290, Al Quoz, Dubai

Tel: +971 4 3472491, Fax: +971 4 3472339  
E- mail: [tenders.me@akzonobel.com](mailto:tenders.me@akzonobel.com)  
[www.akzonobel.com](http://www.akzonobel.com)

**Contact Person:**

Mr. Simon Major,  
General Manager (M.E. Business Development)

AkzoNobel is the largest global paint and coatings company and a major producer of speciality chemicals. We supply industries and consumers worldwide with innovative products and are passionate about developing sustainable answers for our customers. Our portfolio includes well known brands such as Dulux, Sikkens, International and Eka. We are a Global Fortune 500 company and are consistently ranked as one of the leaders on the Dow Jones Sustainability index. With operations in more than 80 countries, our 55,000 employees around the world are committed to excellence and delivering Tomorrow's Answers Today

**Berger Paints Emirates Ltd LLC.****Contact Details:** Tel: 04 3391000, Fax: 04 3391322

E- mail: [customerservice.uae@bergeronline.com](mailto:customerservice.uae@bergeronline.com)

**Contact Person:**

Mr.P.K Raj,  
Marketing Manager

**Green Horizon** is our endeavour to create a greener future, and make sure that every step we take is in consonance with our mission and vision which lay down our responsibility and accountability towards the environment

## National Paints

Contact Details: P.O Box 5822, Sharjah  
Tel: 06 5340111, Fax: 06 5340222  
E- mail: [technic@national-paints.com](mailto:technic@national-paints.com)



Contact Person: Gopal Kanojia,  
Technical Manager

Through two of the biggest research and development labs and technical collaboration with international entities such as "Trans Ocean" from Holland, "Italtinto" from Italy, National Paints' product line is constantly updated in accordance with the demands of each separate market involved.

National Paints expanding product range and its strive for quality have granted it several international awards of recognition. Its reputation has given full support to undergo paint projects for hotels, airports, government corporations, hospitals, cultural institutions and other private and public sectors in various countries.

## MAS Paints and Chemicals Industry

Contact Details: P.O Box 23085, Sajja Industrial area, Sharjah  
Tel: 06 5311777, Fax: 06 5311330  
E- mail: [maspaints@emirates.net.ae](mailto:maspaints@emirates.net.ae)  
[www.maspaints.com](http://www.maspaints.com)



Contact Person: Mr. Marwan Al Atrash,  
Managing director

MAS Paints is widely known as pioneer in high performance wood coatings in the Middle East. Through its manufacturing units and showrooms, a wide range of decorative and finishing products are offered to end users, meeting all possible requirements from traditional craftsmen and joineries to the latest applications of UV curing and the low VOC lacquers (solvents and water-based). In addition to our traditional NC, PU and Acid Curing, our product range includes Dyes, Stains, Thinners, Polyester, Acrylics, Epoxy (for industrial application). Architectural paints and special effect decorative paints, where the most severe finishing applications from reputable hotels and palaces are met.

## Al Gurg Fosroc LLC

Contact Details: P.O Box 657, Dubai  
Tel: 04 - 2039699 Fax: 04 - 2859649  
E-mail: [agf@fosroc.com](mailto:agf@fosroc.com)  
[www.fosroc.com](http://www.fosroc.com)



Contact Person: Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

## NanoPhos SA (Nilgiris International FZCO )

Contact Details: P.O Box 54877, Dubai  
Tel: +971 4 2998699, Fax: +971 4 2998698  
E- mail: [Krishnan@nilgirisfzco.com](mailto:Krishnan@nilgirisfzco.com)



Contact Person: Mr.A.N.Krishnan,  
General Manager (Operations)

NanoPhos manufactures environment friendly, water based, energy saving, water repelling, self cleaning & green products to protect porous and non-porous substrates such as concrete, natural stone, marble, granite, ceramic tiles, gypsum, natural wood, metals and glass. Nilgiris International FZCO is an international trading & marketing organization established in the year 2008 and located in Dubai Airport Free Zone. We represent NanoPhos SA, Greece as their Distributors in U.A.E., Oman & India.

<b>304.04</b>	<b>Orientation of Glazed Facades</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Building Glass
	<b>Applicable Standards / Regulations</b>
	ASTM International Glass and Glazing Standards for Building Industry.
	<b>Availability of material</b>
	1. Building Glass
<b>304.05</b>	<b>Hardscape</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Vegetation 2. Paving Material with High SRI 3. Shading Material with High SRI
	<b>Applicable Standards / Regulations</b>
	ASTM – E – 1980, C-1549, C-1371, E – 408, DM/DEWA Green Building Regulation.
	<b>Availability of material</b>
	1. Vegetation
	2. Paving Material with High SRI



**Hussain Mohd. Abbas Block factory**

Contact Details: P.O Box 931, Dubai

Tel: 04 – 3472214/3472349/3473536

Fax: 04– 3472992

E mail: hablock@emirates.net.ae

www.hablocks.com



Contact Person: Mr. Sathish M.Kumar, General Manager

Hussain Mohd. Abbas block factory is a local concrete block manufacturing company having an ISO:9001:2008, which started its operation in the year 1976. The management is run by professional and experts in the field of concrete industry and assuring high quality products.

The company is manufacturing and trading concrete block and paving tiles

**Apex Concrete Block Factory LLC.**

Contact Details: P.O Box 53370, Dubai

Tel: 04 - 3470833 Fax: 04– 3470822

E mail: apex@apexgulf.com

www.apex.com

**APEX**

Contact Person: Mr. Narendra Reddy, Marketing Manager

Apex is the first company to introduce thermal insulated blocks for reducing the consumption of energy buildings and to control noise sources.

**Delmon Autoclaved Aerated Concrete Factory.**

Contact Details: P.O Box # 48308, Dubai

Tel: 04 - 8842280 Fax: 04– 8842281

E mail: [delmonfa@eim.ae](mailto:delmonfa@eim.ae)

www.delmonaacfactory.com



Contact Person: Eng. Mustafa Taha, Sales Manager

Delmon AAC Factory (Dubai) is the sister concern of Al Jazeera, Abu Dhabi - the pioneer of AAC products in UAE. Delmon, started production 2006, was second of its kind in UAE. It has largest mass production capacity and is using very advanced and automated production process to bring very high quality products. Its products have been approved by all the Municipalities of UAE, all the major developers, consultants etc. It has thousands of projects from villas–high rise towers to their credit

**Al Jazeera Factory for Const. Materials**

Contact Details: P.O Box # 9081, Abu Dhabi

Tel: 02 - 5822768 Fax: 02– 5822353

E mail: [jaziraac@eim.ae](mailto:jaziraac@eim.ae)[www.aljazeeraafactory.com](http://www.aljazeeraafactory.com)

Contact Person: Eng. Mustafa Taha, Sales Manager

Al Jazeera - the pioneer of AAC products in UAE – started its facility in 1990. A member of Al Jazeera Group of Industries, its an ISO 9001:2008 certified manufacturer and have obtained first Technical Approval from DM in 2003. Its products have been approved by all the Municipalities of UAE, Ministry of Civil Defence, Dept. works and almost all of govt. and non-govt. bodies, all the major developers, consultants etc. It has thousands of projects from villas–high rise towers to their credit and most of landmark projects ever built in UAE are off their blocks

**Al serkal & Assarain concrete products LLC**

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**ISO 9001 – ISO 14001 – ISO  
18001 / EPD/ DCL Quality  
Conformity Mark**

Contact Person: Mr. Aswinikumar Kakshmaiah

**Specialist in green building products:** Roof slabs/Masonry normal & light weight blocks/Pavings-Flags/Insulation sandwich & Roof filler blocks/Kerb stones.

**3. Shading Material with High SRI****304.06 Shading of Public Access Areas****Applicable Materials & Systems****1. Shading Material with High SRI****Applicable Standards / Regulations**

ASTM E – 1980, C – 1549, C – 1371, E 408, DM/DEWA Green Building Regulation.

**Availability of material****1. Shading Material with High SRI****Al serkal & Assarain concrete products LLC**

Contact Details: P.O Box 282935, Dubai

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**ISO 9001 – ISO 14001 – ISO  
18001 / EPD/ DCL Quality  
Conformity Mark**

Contact Person: Mr. Aswinikumar Kakshmaiah

**Specialist in green building products:** Roof slabs/Masonry normal & light weight blocks/Pavings-Flags/Insulation sandwich & Roof filler blocks/Kerb stones.

305	Chapter:5 Responsible Construction
305.1	Impact of Construction, Demolition and Operational Activities
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	ASTM International Technical Committee – 262 D – 34 Dubai Municipality Local Order No. 61 / 1999 Dubai Municipality Technical Guideline No. – 12, 26, 29, 44, 48, 50, 53, 56 Dubai Municipality Building Dept. Circular – 77, 93, 89, 108, 117, 139, 154, 158, 161
	<b>Availability of material</b>
	Not Applicable
306	Chapter 6: Environmental Impact Assessment
306.01	Environmental Impact Assessment
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Technical Guideline No. 4 and 53
	<b>Availability of material</b>
	Not Applicable



# 400

Section Four  
**Building Vitality**

<b>401</b>	<b>Chapter 1: Ventilation and Air Quality</b>
<b>401.01</b>	<b>Minimum Ventilation requirements for Adequate Indoor Air Quality</b>
	<b>Applicable Materials &amp; Systems</b>
	Ventilation products & systems
	<b>Applicable Standards / Regulations</b>
	ASHRAE 62 - 2007
	<b>Availability of material</b>
<b>401.02</b>	<b>Air Quality During Construction, Renovation or Decoration</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Air Filters
	<b>Applicable Standards / Regulations</b>
	ASHRAE 52.2 - 2007
	<b>Availability of material</b>
	1. Air Filters
<b>401.03</b>	<b>Air Inlets and Exhausts</b>
	<b>Applicable Materials &amp; Systems</b>

1. Air exhaust system

#### **Applicable Standards / Regulations**

ASHRAE 62 – 2007, SMACNOT APPLICABLE 1035 – HVAC Duct Construction Standards

#### **Availability of material**

1. Air exhaust system

### **401.04 Isolation of Pollutant sources**

#### **Applicable Materials & Systems**

1. Air extraction System

#### **Applicable Standards / Regulations**

Dubai Municipality Technical Guideline No. 57  
ASHRAE 62.1 – 2007

#### **Availability of material**

1. Air extraction System

### **401.05 Openable Windows**

#### **Applicable Materials & Systems**

1. Windows

#### **Applicable Standards / Regulations**



CIBSE application manual Am10:1997, DM Building Regulations.

**Availability of material**

**401.06 Indoor Air Quality Compliance – New Buildings**

**Applicable Materials & Systems**

1. Ventilation products & systems

**Applicable Standards / Regulations**

ASTM D – 5116, D – 6886, DM/DEWA Green Building Regulation.

**Availability of material**

**401.07 Indoor Air Quality Compliance – Existing Buildings**

**Applicable Materials & Systems**

1. Ventilation products & systems

**Applicable Standards / Regulations**

Heating and Ventilating Contractors Association (HVCA) TR-19 guide to good practice  
BSR / ASHRAE / ACCA Standard 180P – Standard Practice for Inspection and Maintenance of  
Commercial Building HVAC System.

**Availability of material**

**401.08 Inspection and Cleaning of HVAC Equipment**

	<b>Applicable Materials &amp; Systems</b>
	1. HVAC equipments / system
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality guidelines
	<b>Availability of material</b>
	1. HVAC systems / equipments
<b>401.09</b>	<b>Parking Ventilation</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Ventilation System
	<b>Applicable Standards / Regulations</b>
	ASTM D – 3762, ASTM F – 984, DM/DEWA Green Building Regulation.
	<b>Availability of material</b>
<b>401.10</b>	<b>Environmental Tobacco Smoke</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Designated smoking area
	<b>Applicable Standards / Regulations</b>

1. Dubai Municipality Local order No. 11 – 2003
2. Dubai Municipality Admin. resolution 92 - 2009

#### **Availability of material**

Not Applicable

## **402 Chapter 2: Thermal Comfort**

### **402.01 Thermal Comfort**

#### **Applicable Materials & Systems**

1. HVAC products & systems.

#### **Applicable Standards / Regulations**

ASHRAE: 55

#### **Availability of material**

1. HVAC systems / equipments

## **403 Chapter 3: Acoustic Comfort**

### **403.01 Acoustical Control**

#### **Applicable Materials & Systems**

1. Acoustic Insulation Materials

#### **Applicable Standards / Regulations**

BS – 8233: 1999  
 Building Regulation Approved Document E(R-2008)OK  
 Health Technical Memorandum 08 – 01 (U.K.)  
 Building Bulletin 93 (U.K.)



## Availability of material

### 1. Acoustic Insulation Materials

#### Kuwait Insulating Material Manufacturing Co. (KIMMCO)

Contact Details: P.O. Box 9207, Al Wasel Al Mamzar Bldg. ,  
Al Wuheida Road,  
Al Mamzar, Dubai  
Tel: +9714 2967660, Fax-04-2967550  
E-mail: [mshariff@alghanim.com](mailto:mshariff@alghanim.com) / [shariff@kimco.ae](mailto:shariff@kimco.ae)  
[www.kimmcoinsulations.com](http://www.kimmcoinsulations.com)



**KIMMCO**

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

#### FUJAIRAH ROCKWOOL FACTORY

Contact Details: P.O Box 211, Fujairah  
Tel: +971 9 2222297  
Fax: +971 9 2222573  
E-mail: [frf@emirates.net.ae](mailto:frf@emirates.net.ae)  
[www.rockwoolfujairah.ae](http://www.rockwoolfujairah.ae)



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

#### Exeed Glasswool LLC.

Contact Details: Industrial City of Abdu Dhabi [ICAD]  
P.O Box 34332, Abu Dhabi  
Tel: +971 2 5512453  
Fax: +971 2 5512451  
E- Mail: [imallah@glasswool.ae](mailto:imallah@glasswool.ae)  
[www.exeed.ae](http://www.exeed.ae)



**GLASSWOOL**  
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

**Caparol LLC.**

Contact Details: Tel.04 - 3473538 Fax.04-3474256  
 E.mail: [info@caparol.ae](mailto:info@caparol.ae)  
[www.caparol.ae](http://www.caparol.ae)

Contact Person: Mr.Ahmed El Bayaa,  
 Regional Sales Manager



Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

404

## Chapter 4: Hazardous Materials

404.01

### Low Emitting Material: Paints and Coatings

#### Applicable Materials & Systems

1. Low VOC Paints and Coatings

#### Applicable Standards / Regulations

ASTM D – 5116  
 ISO – FDIS 11890 – 2  
 ASTM D 3930

#### Availability of material

1. Low VOC Paints and Coatings

#### Jotun Paints

Contact Details: Jotun UAE Ltd. P.O.Box 3671,  
 Al Quoz, Dubai.  
 Tel 04 3395000 Fax: 04 3380666  
 E mail: [csd@jotundxb.ae](mailto:csd@jotundxb.ae)  
<http://www.jotun.com/me>

Contact Person: Mr. Wael Fahmy  
 Regional sales Manager

Founded in 1926 in Norway and established in the Middle East since 1974, Jotun - one of the world's leading paint manufacturers, contributes to the environment by developing and offering competitive, sustainable products and solutions. A truly single source solution for clients, consultants and contractors alike.



**Energy Zone L.L.C.****Contact Details:**

P.O.Box # 62650, Dubai  
 Tel-04-2671622, Fax-04-2671633  
 E mail. [energyzo@eim.ae](mailto:energyzo@eim.ae)  
[www.energyzonecoating.com](http://www.energyzonecoating.com)

**Contact Person:**

Eng. Claude Nasif,  
 Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...  
 Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere

**Caparol LLC.****Contact Details:**

Tel.04 - 3473538 Fax.04-3474256  
 E.mail: [info@caparol.ae](mailto:info@caparol.ae)  
[www.caparol.ae](http://www.caparol.ae)

**CAPAROL****Contact Person:**

Mr.Ahmed El Bayaa,  
 Regional Sales Manager

**Products Offered:** Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

**AkzoNobel****Contact Details:** P.O Box 290, Al Quoz, Dubai

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E- mail: [tenders.me@akzonobel.com](mailto:tenders.me@akzonobel.com)

[www.akzonobel.com](http://www.akzonobel.com)

**Contact Person:**

Mr. Simon Major,  
 General Manager (M.E. Business Development)

AkzoNobel is the largest global paint and coatings company and a major producer of speciality chemicals. We supply industries and consumers worldwide with innovative products and are passionate about developing sustainable answers for our customers. Our portfolio includes well known brands such as Dulux, Sikkens, International and Eka. We are a Global Fortune 500 company and are consistently ranked as one of the leaders on the Dow Jones Sustainability index. With operations in more than 80 countries, our 55,000 employees around the world are committed to excellence and delivering Tomorrow's Answers Today

**Berger Paints Emirates Ltd LLC.****Contact Details:** Tel: 04 3391000, Fax: 04 3391322

E- mail: [customerservice.uae@bergeronline.com](mailto:customerservice.uae@bergeronline.com)

**Contact Person:**

Mr.P.K Raj,  
 Marketing Manager

**Green Horizon** is our endeavour to create a greener future, and make sure that every step we take is in consonance with our mission and vision which lay down our responsibility and accountability towards the environment



## National Paints

Contact Details: P.O Box 5822, Sharjah  
Tel: 06 5340111, Fax: 06 5340222  
E- mail: [technic@national-paints.com](mailto:technic@national-paints.com)



Contact Person: Gopal Kanojia,  
Technical Manager

Through two of the biggest research and development labs and technical collaboration with international entities such as "Trans Ocean" from Holland, "Italtinto" from Italy, National Paints' product line is constantly updated in accordance with the demands of each separate market involved.

National Paints expanding product range and its strive for quality have granted it several international awards of recognition. Its reputation has given full support to undergo paint projects for hotels, airports, government corporations, hospitals, cultural institutions and other private and public sectors in various countries.

## MAS Paints and Chemicals Industry

Contact Details: P.O Box 23085, Sajja Industrial area, Sharjah  
Tel: 06 5311777, Fax: 06 5311330  
E- mail: [maspaints@emirates.net.ae](mailto:maspaints@emirates.net.ae)  
[www.maspaints.com](http://www.maspaints.com)



Contact Person: Mr. Marwan Al Atrash,  
Managing director

MAS Paints is widely known as pioneer in high performance wood coatings in the Middle East. Through its manufacturing units and showrooms, a wide range of decorative and finishing products are offered to end users, meeting all possible requirements from traditional craftsmen and joineries to the latest applications of UV curing and the low VOC lacquers (solvents and water-based). In addition to our traditional NC, PU and Acid Curing, our product range includes Dyes, Stains, Thinners, Polyester, Acrylics, Epoxy (for industrial application). Architectural paints and special effect decorative paints, where the most severe finishing applications from reputable hotels and palaces are met.

## Al Gurg Fosroc LLC

Contact Details: P.O Box 657, Dubai  
Tel: 04 - 2039699 Fax: 04 - 2859649  
E-mail: [agf@fosroc.com](mailto:agf@fosroc.com)  
[www.fosroc.com](http://www.fosroc.com)



*constructive solutions*

Contact Person: Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

## NanoPhos SA (Nilgiris International FZCO )

Contact Details: P.O Box 54877, Dubai  
Tel: +971 4 2998699, Fax: +971 4 2998698  
E- mail: [Krishnan@nilgirisfzco.com](mailto:Krishnan@nilgirisfzco.com)



Contact Person: Mr.A.N.Krishnan,  
General Manager (Operations)

NanoPhos manufactures environment friendly, water based, energy saving, water repelling, self cleaning & green products to protect porous and non-porous substrates such as concrete, natural stone, marble, granite, ceramic tiles, gypsum, natural wood, metals and glass. Nilgiris International FZCO is an international trading & marketing organization established in the year 2008 and located in Dubai Airport Free Zone. We represent NanoPhos SA, Greece as their Distributors in U.A.E., Oman & India.

## 404.02 Low Emitting Material: Adhesives and Sealants

### Applicable Materials & Systems

1. Low VOC Sealants
2. Low VOC Adhesives

### Applicable Standards / Regulations

ASTM D – 5116  
ASTM D – 3930  
ISO-FDIS 11890-2

### Availability of material

#### 1. Low VOC Sealants

#### Falcon Chemicals

Contact Details: P.O Box 2924, Dubai  
Tel: 04 - 8801444 Fax: 04 - 8801717  
E-mail: [inquiry@falconchemicals.com](mailto:inquiry@falconchemicals.com)  
[www.falconchemicals.com](http://www.falconchemicals.com)



Contact Person: Mr. Qazi, Marketing Manager

We offer a wide variety of products used in the construction industry. Our products have been used for more than 20 years in most of the prestigious projects all over the Middle East. The products for the construction industry are Tile Adhesives and Grouts, concrete repair mortars, specially formulated adhesives for marble, natural stones and polystyrene, bonding key coat, floor hardener, self leveling compound and Epoxy/polyurethane coating etc.

#### MAPEI (I.B.S. Innovative Building Solutions LLC.)

Contact Details: Post Box # 73869, Dubai  
Tel: 04 815 6666 Fax: 04 815 6655  
E-Mail [l.haboubi@ibs-mapei.ae](mailto:l.haboubi@ibs-mapei.ae)  
[www.mapei.ae](http://www.mapei.ae)



Contact Person: Mr. Laith Haboubi (Regional Director)

Founded in Milan, Italy in 1937, Mapei is today the world leader in the production of adhesives and complementary products for the installation of all types of floor and wall coverings. The company is also specialized in other chemical products for building with distinctive product lines which range from waterproofers to special mortars, from concrete admixtures to products for the restoration of ancient buildings. MAPEI has 68 subsidiaries with 58 production facilities in operation spread across 27 countries in five continents. MAPEI's UAE subsidiary, Innovative Building Solutions LLC was formed as part of its long-term commitment to the Middle East. The company commenced production in February 2009, at its 40,000 m2 facility at Dubai Investments Park.

**Al Gurg Fosroc LLC****Contact Details:**

P.O Box 657, Dubai  
Tel: 04 - 2039699 Fax: 04 - 2859649  
E-mail: [agf@fosroc.com](mailto:agf@fosroc.com)  
[www.fosroc.com](http://www.fosroc.com)

*constructive solutions*

**Contact Person:** Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

## 2. Low VOC Adhesives

**Falcon Chemicals****Contact Details:**

P.O Box 2924, Dubai  
Tel: 04 - 8801444 Fax: 04 - 8801717  
E-mail: [inquiry@falconchemicals.com](mailto:inquiry@falconchemicals.com)  
[www.falconchemicals.com](http://www.falconchemicals.com)



**Contact Person:** Mr. Qazi, Marketing Manager

We offer a wide variety of products used in the construction industry. Our products have been used for more than 20 years in most of the prestigious projects all over the Middle East. The products for the construction industry are Tile Adhesives and Grouts, concrete repair mortars, specially formulated adhesives for marble, natural stones and polystyrene, bonding key coat, floor hardener, self leveling compound and Epoxy/polyurethane coating etc.

**MAPEI (I.B.S. Innovative Building Solutions LLC.)****Contact Details:**

Post Box # 73869, Dubai  
Tel: 04 815 6666 Fax: 04 815 6655  
E-Mail [l.haboubi@ibs-mapei.ae](mailto:l.haboubi@ibs-mapei.ae)  
[www.mapei.ae](http://www.mapei.ae)



**Contact Person:** Mr. Laith Haboubi (Regional Director)

Founded in Milan, Italy in 1937, Mapei is today the world leader in the production of adhesives and complementary products for the installation of all types of floor and wall coverings. The company is also specialized in other chemical products for building with distinctive product lines which range from waterproofers to special mortars, from concrete admixtures to products for the restoration of ancient buildings. MAPEI has 68 subsidiaries with 58 production facilities in operation spread across 27 countries in five continents. MAPEI's UAE subsidiary, Innovative Building Solutions LLC was formed as part of its long-term commitment to the Middle East. The company commenced production in February 2009, at its 40,000 m2 facility at Dubai Investments Park.



**Al Gurg Fosroc LLC****Contact Details:**

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E-mail: [agf@fosroc.com](mailto:agf@fosroc.com)[www.fosroc.com](http://www.fosroc.com)*constructive solutions***Contact Person:** Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

**404.03 Carpet Systems****Applicable Materials & Systems**

1. Carpet

**Applicable Standards / Regulations**

Dubai Municipality – DCL Certification

**Availability of material**

1. Carpet

**405 Chapter 5: Day lighting and Visual Comfort****405.01 Provision of natural Daylight****Applicable Materials & Systems**

Building Glass

**Applicable Standards / Regulations**

Dubai Municipality Regulations

	<b>Availability of material</b>
<b>405.02</b>	<b>Views</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Regulations
	<b>Availability of material</b>
	Not Applicable
<b>406</b>	<b>Chapter 6: Water Quality</b>
<b>406.01</b>	<b>Legionella Bacteria and Building Water Systems</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Water Treatment Chemicals
	<b>Applicable Standards / Regulations</b>
	ASTM D - 5952 Dubai Municipality Guidelines
	<b>Availability of material</b>
	1. Water Treatment Chemicals

406.02	<b>Water Quality of Water Features</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Water Treatment Chemicals
	<b>Applicable Standards / Regulations</b>
	ASTM D - 5952 Dubai Municipality Guidelines ASRAE – Guideline 12 - 2000
	<b>Availability of material</b>
	1. Water Treatment Chemicals





# 500

Section Five

## **Resource Effectiveness: Energy**

501	Chapter 1: Conservation and Efficiency: Building Fabric
501.01	Minimum Envelope Performance Requirements
	Applicable Materials & Systems
	<ol style="list-style-type: none"> <li>1. Thermal Insulation materials / Systems</li> <li>2. Glazed elements (Glass)</li> </ol>
	Applicable Standards / Regulations
	Dubai Municipality Ad. Order – 66 ASTM C - 1363 ASTM C- 578 ASTM C-612 BSEN-13162, to 13165
	Availability of material
	1. Thermal Insulation Materials / Systems
	<p><b>ISOFOAM ENGINEERING PRODUCTS LLC.</b></p> <p>Contact Details: P.O. Box- 35220 Dubai            Tel: + 971 4 2861082            Fax: +971 4 2860821            e-mail: <a href="mailto:isofoam@emirates.net.ae">isofoam@emirates.net.ae</a>  <a href="http://www.isofoamuae.com">www.isofoamuae.com</a></p> <p>Contact Person: Mr. Saad Kreidieh, General manager</p> <p><b>ISOFOAM</b>, a leader in building materials and energy efficiency solutions manufacturing zero ozone depleting <b>ISOBOARD green®</b> extruded polystyrene (XPS) rigid foam insulation and <b>hanex®</b> Acrylic Solid Surface to meet the requirements of green building.</p> <p><b>ISOFOAM</b> is ISO 9001: 2008 certified from BUREAU VERITAS for manufacturing and supplying – Certificate No. IND10.7766. ISOFOAM is DCL certified from Dubai Municipality licensing agreement no. CL05020002. The outstanding technology and quality have propelled ISOFOAM a leader in the field of building industry. Its products are regularly specified by leading International consultants and architects in GCC market &amp; Middle East.</p>



**Energy Zone L.L.C.**

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 E mail. [energyzo@eim.ae](mailto:energyzo@eim.ae)  
[www.energyzonecoating.com](http://www.energyzonecoating.com)



Contact Person:

Eng. Claude Nasif,  
 Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...  
 Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere

**Kuwait Insulating Material Manufacturing Co. (KIMMCO)**

Contact Details:

P.O. Box 9207, Al Wasel Al Mamzar Bldg. ,  
 Al Wuheida Road,  
 Al Mamzar, Dubai  
 Tel: +9714 2967660, Fax-04-2967550  
 E-mail: [mshariff@alghanim.com](mailto:mshariff@alghanim.com) / [shariff@kimco.ae](mailto:shariff@kimco.ae)  
[www.kimmcoinsulations.com](http://www.kimmcoinsulations.com)

**KIMMCO**

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

**Styrene Insulation Industry**

Contact Details:

P.O Box-9459, Abu Dhabi  
 Tel: +971 2 5511166 ,  
 Fax: +971 2 5511570,  
 e-mail: [styrene@eim.ae](mailto:styrene@eim.ae)  
[www.styrene-uae.com](http://www.styrene-uae.com)



Contact Person:

Mr. Sukesh Raghavan, Chief Accountant

Styrene Insulation Industry (SII) started its Expanded Polystyrene (EPS) Injection and Block Moulded Polystyrene products under the brand name Insolite in 1997. Our factory is equipped with the most modern equipments, manned by a team of technically trained and skilled work force, who continuously strive to achieve the highest standard of product quality.

**ROOF CARE CO.L.L.C,**

Contact Details: P.O Box- 1813, U.A.Q.

Tel: +971 6 7670666, Fax:+971 6 7670198,  
 E-mail: [roofcare@emirates.net.ae](mailto:roofcare@emirates.net.ae),  
[www.roof-care.com](http://www.roof-care.com)



Contact Person: Saji P. Varghese (+971 50 9387403)

The professional team of **ROOF-CARE** offers two comprehensive systems called: "**COMBO ROOF SYSTEM- for roof water proofing and heat insulation**" and "**Henkel Ceresit External Insulation Finishing System for External Walls**" with Dubai municipality's approval and manufacturer's performance guarantee.



### FUJAIRAH ROCKWOOL FACTORY

Contact Details: P.O Box 211, Fujairah  
Tel: +971 9 2222297  
Fax: +971 9 2222573  
E-mail: [frf@emirates.net.ae](mailto:frf@emirates.net.ae)  
[www.rockwoolfujairah.ae](http://www.rockwoolfujairah.ae)



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

### Exeed Glasswool LLC.

Contact Details: Industrial City of Abdu Dhabi [ICAD]  
P.O Box 34332, Abu Dhabi  
Tel: +971 2 5512453  
Fax: +971 2 5512451  
E- Mail: [imallah@glasswool.ae](mailto:imallah@glasswool.ae)  
[www.exeed.ae](http://www.exeed.ae)



GLASSWOOL  
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

### Caparol LLC.

Contact Details: Tel.04 - 3473538 Fax.04-3474256  
E.mail: [info@caparol.ae](mailto:info@caparol.ae)  
[www.caparol.ae](http://www.caparol.ae)

Contact Person: Mr.Ahmed El Bayaa,  
Regional Sales Manager



Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.



### **Mammut Building Systems Fzc**

Contact Details: P.O Box-41668, HFZ , Sharjah  
Tel: +971 4 8012921, Fax: + 971 4 8012223  
E-mail: [satya.prakash@mammut.ae](mailto:satya.prakash@mammut.ae)  
[www.mammutsteel.ae](http://www.mammutsteel.ae)



Contact Person: Mr. SatyaPrakash, QA/QC Dept

Mammut Building Systems (MBS), a subsidiary of Emaar Industries and Investments an associated company of Emaar Group is one of the largest manufacturers of Pre-Engineered Steel Buildings (PEB's) and Polyurethane Injected Sandwich Panels in the world. MBS is specialized in the design, manufacture and supply of PEB using the best engineering softwares and most advanced production machineries in the PEB industry.

### **FOAMGLAS Building**

#### **PITTSBURGH CORNING Europe ( Rep. Office - Middle East)**

Contact Details: Arenco Tower (Media City),  
P.O. Box 213345, Dubai - UAE  
Tel. +971 4 434 71 40, Fax +971 4 432 7109  
Email: [info@foamglas.ae](mailto:info@foamglas.ae)  
[www.foamglas.ae](http://www.foamglas.ae)



Contact Person: Marco Thomas Vincenz, General Manager

FOAMGLAS® comes out outstandingly well in this overall assessment. Long service life, safety, environmental compatibility and economic feasibility make FOAMGLAS® the preferred insulating material for the whole building envelope.

### **NATIONAL POLYSTYRENE PACKAGING FACTORY L.L.C.**

Contact Details: P.O. Box-79970, Jabel Ali Industrial Area # 3  
Dubai  
Tel: +971 4 8802005  
Fax: +971 4 8802006  
E-mail: [naplpak@emirates.net.ae](mailto:naplpak@emirates.net.ae)  
[www.nppfdubai.com](http://www.nppfdubai.com)



Contact Person: Mr. Saeed Al Saghir, Managing Director

National Polystyrene Packaging Factory (NPPF) manufactures and market all types of Polystyrene Products which are related to Construction, Thermal Insulation, Geofoam, Packaging, Architectural works and Decorations, that will suit Customer's requirement. NPPF are serving U.A.E. & G.C.C. market since 1994 with excellent success.

National Polystyrene Packaging Factory is certified and Approved by prestigious private and public Certifying Institution, they are ISO 9001:2008 by M/s Lloyd's Register Quality Assurance, DCL Conformity Mark by M/s Dubai Municipality, Emirates Quality Mark by M/s Emirates Authority for Standardization & Metrology (ESMA), Emirates Green Building Council Corporate Membership by M/s Emirates Green Building Council

### **ELECTRONIC & ENGINEERING INDUSTRIES CO. LLC**

Contact Details: P.O. Box-5088, Sharjah  
Tel: +971 6 5332114  
Fax: +971 6 5332011  
E-mail: [eeishj@emirates.net.ae](mailto:eeishj@emirates.net.ae)  
[www.eei-ae.com](http://www.eei-ae.com)



Contact Person: Mr. M.J.Joseph

Electronic & Engineering Industries Co. LLC. was established in the year 1978 in Sharjah, U.A.E to manufacture Expanded Polystyrene Products. As a further expansion it was started its Extruded Polystyrene Factory ( ROOFMASTER XPS) in Mussafah, Abu Dhabi during 2003

### **Hapri Insulation Materials Manufacturing**

Contact Details: Tel. +971-4-3405466 Fax. +971-4-3405477  
Post Box # 37875, Dubai, U.A.E.  
E.mail: [hapri@emirates.net.ae](mailto:hapri@emirates.net.ae)  
[www.haprimiddleeast.com](http://www.haprimiddleeast.com)



Contact Person: Mr.Niaz,  
Marketing Manager

Type: Polyisocyanurate Insulation Board (Wall, Roof, Ceiling, Floor, Cladding)

Hapri Insulation Materials Manufacturing is one of the leading Manufacturer and Exporter of Polyisocyanurate Foam Board for Wall Insulation (External/Internal), Roof, Ceiling (Direct Paint Insulation available), Cladding, Cold Store , Pre-Insulated Duct Panels and Fabricated Ducts. Polyisocyanurate Foam Boards are available with different Laminations such as Fiber Glass and reflective Aluminum Foil depending upon the Applications.

We are having the honor of providing International quality products with best competitive prices and Minimum Delivery Time locally in UAE, Gulf Counties, Africa and to the sub continent.

### **GULF COOL THERM FACTORY LIMITED**

Contact Details: P.O Box 22069, Sharjah  
Tel: +971 6 5439600  
Fax: +971 6 5439611  
E-mail: [gulfcool@emirates.net.ae](mailto:gulfcool@emirates.net.ae)  
[www.gulfcooltherm.com](http://www.gulfcooltherm.com)



Contact Person: Mr. Shaji, Marketing Manager

Gulf Cool Therm Factory Limited is an ISO 9001 Certified Company with Quality System certified by UKAS of United Kingdom. Gulf Cool Therm Factory Limited, as a manufacturers and suppliers of high quality: Polyisocyanurate, Polyurethane and Phenolic Foam Pipe, Duct, Wall, Roof, Tank and Vessel Insulations. Pre-insulated Pipes and Fittings for Industrial and District Cooling Applications. Phenolic Foam or PIR Pre-insulated Duct Insulation panel Polyurethane Spray applied Foam for Heat Insulation and Water Proofing Systems. With best CNC machineries in the field and quality material available, with highly qualified technical and commercial staff, we are confident that our product will comply with all international standard and definitely will meet your requirements. In order to facilitate our client with best service with respect to quality and prompt delivery, respective elements of production and marketing were provided and enhanced under a tight quality control.

## **2. Glazed Elements (Glass)**

### **501.02 Thermal Bridging**

## Applicable Materials & Systems

### 1. Thermal Insulation Materials

## Applicable Standards / Regulations

Dubai Municipality Admin. Resolution 66 / 2003, CIBSE Environmental design guide  
ASTM C – 1363, ASTM C – 578, ASTM C – 612, BSEN – 13162 – 13165  
ASHRAE 90.1

## Availability of material

### 1. Thermal Insulation Materials

#### ISOFOAM ENGINEERING PRODUCTS LLC.

Contact Details: P.O. Box- 35220 Dubai  
Tel: + 971 4 2861082  
Fax: +971 4 2860821  
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[www.isofoamuae.com](http://www.isofoamuae.com)



Contact Person: Mr. Saad Kreidieh, General manager

**ISOFOAM**, a leader in building materials and energy efficiency solutions manufacturing zero ozone depleting **ISOBOARD green®** extruded polystyrene (XPS) rigid foam insulation and **hanex®** Acrylic Solid Surface to meet the requirements of green building.

**ISOFOAM** is ISO 9001: 2008 certified from BUREAU VERITAS for manufacturing and supplying – Certificate No. IND10.7766. **ISOFOAM** is DCL certified from Dubai Municipality licensing agreement no. CL05020002. The outstanding technology and quality have propelled **ISOFOAM** a leader in the field of building industry. Its products are regularly specified by leading International consultants and architects in GCC market & Middle East.

#### Energy Zone L.L.C.

Contact Details: P.O.Box # 62650, Dubai  
Tel-04-2671622, Fax-04-2671633  
E mail. [energyzo@eim.ae](mailto:energyzo@eim.ae)  
[www.energyzonecoating.com](http://www.energyzonecoating.com)

Contact Person: Eng. Claude Nasif,  
Managing Director



Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...  
Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere



### **Kuwait Insulating Material Manufacturing Co. (KIMMCO)**

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Al Mamzar, Dubai

Tel: +9714 2967660, Fax-04-2967550

E-mail: [mshariff@alghanim.com](mailto:mshariff@alghanim.com) / [shariff@kimmco.ae](mailto:shariff@kimmco.ae)

[www.kimmcoinsulations.com](http://www.kimmcoinsulations.com)



**KIMMCO**

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

### **Styrene Insulation Industry**

Contact Details: P.O Box-9459, Abu Dhabi

Tel: +971 2 5511166 ,

Fax: +971 2 5511570,

e-mail: [styrene@eim.ae](mailto:styrene@eim.ae)

[www.styrene-uae.com](http://www.styrene-uae.com)



Contact Person: Mr. Sukesh Raghavan, Chief Accountant

Styrene Insulation Industry (SII) started its Expanded Polystyrene (EPS) Injection and Block Moulded Polystyrene products under the brand name Insolite in 1997. Our factory is equipped with the most modern equipments, manned by a team of technically trained and skilled work force, who continuously strive to achieve the highest standard of product quality.

### **ROOF CARE CO.L.L.C,**

Contact Details: P.O Box- 1813, U.A.Q.

Tel: +971 6 7670666, Fax:+971 6 7670198,

E-mail: [roofcare@emirates.net.ae](mailto:roofcare@emirates.net.ae),

[www.roof-care.com](http://www.roof-care.com)



Contact Person: Saji P. Varghese (+971 50 9387403)

The professional team of **ROOF-CARE** offers two comprehensive systems called: "**COMBO ROOF SYSTEM- for roof water proofing and heat insulation**" and "**Henkel Ceresit External Insulation Finishing System for External Walls**" with Dubai municipality's approval and manufacturer's performance guarantee.

### **FUJAIRAH ROCKWOOL FACTORY**

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[www.rockwoolfujairah.ae](http://www.rockwoolfujairah.ae)



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.



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**Exeed Glasswool LLC.****Contact Details:**

Industrial City of Abdu Dhabi [ICAD]  
P.O Box 34332, Abu Dhabi  
Tel: +971 2 5512453  
Fax: +971 2 5512451  
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[www.exeed.ae](http://www.exeed.ae)



GLASSWOOL  
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

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**Caparol LLC.****Contact Details:**

Tel.04 - 3473538 Fax.04-3474256  
E.mail: [info@caparol.ae](mailto:info@caparol.ae)  
[www.caparol.ae](http://www.caparol.ae)

**Contact Person:**

Mr.Ahmed El Bayaa,  
Regional Sales Manager



Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

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**Mammut Building Systems Fzc****Contact Details:**

P.O Box-41668, HFZ , Sharjah  
Tel: +971 4 8012921, Fax: + 971 4 8012223  
E-mail: [satya.prakash@mammut.ae](mailto:satya.prakash@mammut.ae)  
[www.mammutsteel.ae](http://www.mammutsteel.ae)

**Contact Person:**

Mr. SatyaPrakash, QA/QC Dept

Mammut Building Systems (MBS), a subsidiary of Emaar Industries and Investments an associated company of Emaar Group is one of the largest manufacturers of Pre-Engineered Steel Buildings (PEB's) and Polyurethane Injected Sandwich Panels in the world. MBS is specialized in the design, manufacture and supply of PEB using the best engineering softwares and most advanced production machineries in the PEB industry.

**FOAMGLAS Building**  
**PITTSBURGH CORNING Europe ( Rep. Office - Middle East)**

Contact Details: Arenco Tower (Media City),  
P.O. Box 213345, Dubai - UAE  
Tel. +971 4 434 71 40, Fax +971 4 432 7109  
Email: [info@foamglas.ae](mailto:info@foamglas.ae)  
[www.foamglas.ae](http://www.foamglas.ae)



Contact Person: Marco Thomas Vincenz, General Manager

FOAMGLAS® comes out outstandingly well in this overall assessment. Long service life, safety, environmental compatibility and economic feasibility make FOAMGLAS® the preferred insulating material for the whole building envelope.

**NATIONAL POLYSTYRENE PACKAGING FACTORY L.L.C.**

Contact Details: P.O. Box-79970, Jabel Ali Industrial Area # 3  
Dubai  
Tel: +971 4 8802005  
Fax: +971 4 8802006  
E-mail: [napolpak@emirates.net.ae](mailto:napolpak@emirates.net.ae)  
[www.nppfdubai.com](http://www.nppfdubai.com)



Contact Person: Mr. Saeed Al Saghir, Managing Director

National Polystyrene Packaging Factory (NPPF) manufactures and market all types of Polystyrene Products which are related to Construction, Thermal Insulation, Geofoam, Packaging, Architectural works and Decorations, that will suit Customer's requirement. NPPF are serving U.A.E. & G.C.C. market since 1994 with excellent success.

National Polystyrene Packaging Factory is certified and Approved by prestigious private and public Certifying Institution, they are ISO 9001:2008 by M/s Lloyd's Register Quality Assurance, DCL Conformity Mark by M/s Dubai Municipality, Emirates Quality Mark by M/s Emirates Authority for Standardization & Metrology (ESMA), Emirates Green Building Council Corporate Membership by M/s Emirates Green Building Council

**ELECTRONIC & ENGINEERING INDUSTRIES CO. LLC**

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Contact Person: Mr. M.J.Joseph

Electronic & Engineering Industries Co. LLC. was established in the year 1978 in Sharjah, U.A.E to manufacture Expanded Polystyrene Products. As a further expansion it was started its Extruded Polystyrene Factory ( ROOFMASTER XPS) in Mussafah, Abu Dhabi during 2003

### **Hapri Insulation Materials Manufacturing**

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Post Box # 37875, Dubai, U.A.E.  
E.mail: [hapri@emirates.net.ae](mailto:hapri@emirates.net.ae)  
[www.haprimiddleeast.com](http://www.haprimiddleeast.com)

Contact Person: Mr.Niaz,  
Marketing Manager

Type: Polyisocyanurate Insulation Board (Wall, Roof, Ceiling, Floor, Cladding)

Hapri Insulation Materials Manufacturing is one of the leading Manufacturer and Exporter of Polyisocyanurate Foam Board for Wall Insulation (External/Internal), Roof, Ceiling (Direct Paint Insulation available), Cladding, Cold Store , Pre-Insulated Duct Panels and Fabricated Ducts. Polyisocyanurate Foam Boards are available with different Laminations such as Fiber Glass and reflective Aluminum Foil depending upon the Applications.

We are having the honor of providing International quality products with best competitive prices and Minimum Delivery Time locally in UAE, Gulf Counties, Africa and to the sub continent.



### **GULF COOL THERM FACTORY LIMITED**

Contact Details: P.O Box 22069, Sharjah  
Tel: +971 6 5439600  
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[www.gulfcooltherm.com](http://www.gulfcooltherm.com)



Contact Person: Mr. Shaji, Marketing Manager

Gulf Cool Therm Factory Limited is an ISO 9001 Certified Company with Quality System certified by UKAS of United Kingdom. Gulf Cool Therm Factory Limited, as a manufacturers and suppliers of high quality: Polyisocyanurate, Polyurethane and Phenolic Foam Pipe, Duct, Wall, Roof, Tank and Vessel Insulations. Pre-insulated Pipes and Fittings for Industrial and District Cooling Applications. Phenolic Foam or PIR Pre-insulated Duct Insulation panel Polyurethane Spray applied Foam for Heat Insulation and Water Proofing Systems. With best CNC machineries in the field and quality material available, with highly qualified technical and commercial staff, we are confident that our product will comply with all international standard and definitely will meet your requirements. In order to facilitate our client with best service with respect to quality and prompt delivery, respective elements of production and marketing were provided and enhanced under a tight quality control.

## **501.03 Air Conditioning Design Parameters**

### **Applicable Materials & Systems**

1. HVAC Equipments.

### **Applicable Standards / Regulations**

ASHRAE – Hand book

### **Availability of material**

	<b>1. HVAC Equipments</b>
<b>501.04</b>	<b>Air Loss from Entrance and Exit</b>
	<b>Applicable Materials &amp; Systems</b>
	Barrier products and systems to prevent air condition from lost.
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Regulation
	<b>Availability of material</b>
<b>501.05</b>	<b>Air Leakage</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	ASTM E – 783 ASTM E- 1424
	<b>Availability of material</b>
	NOT APPLICABLE
<b>502</b>	<b>Chapter 2: Conservation and Efficiency: Building Systems</b>
<b>502.01</b>	<b>Energy Efficiency – HVAC Equipment and Systems</b>



	<b>Applicable Materials &amp; Systems</b>
	1. HVAC Equipments (Energy Efficient)
	<b>Applicable Standards / Regulations</b>
	T1 – AR 1210/240 T3 – ISO 5151 AR 1210/240 T1 – AR1 361 T1 AR1550/590, AR1560
	<b>Availability of material</b>
	1. HVAC Equipments (Energy Efficient)
<b>502.02</b>	<b>Demand Controlled Ventilation</b>
	<b>Applicable Materials &amp; Systems</b>
	Demand controlled ventilation system using CO <sub>2</sub> sensors
	<b>Applicable Standards / Regulations</b>
	ASHRAE – 62–2–2007
	<b>Availability of material</b>
	<b>Demand controlled ventilation system using CO<sub>2</sub> sensors</b>
	Not Applicable
<b>502.03</b>	<b>Elevators and Escalators</b>
	<b>Applicable Materials &amp; Systems</b>

1. Energy saving escalators and elevators
2. Elevator/Escalator Control System

#### Applicable Standards / Regulations

ASTM F-916, DM/DEWA Green Building Regulation.

#### Availability of material

1. Energy saving escalators and elevators
2. Elevator / Escalator Control system

#### Schindler Pars International Ltd.

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 Tel: +971 4 3819191, Fax: +971 4 3490561  
 Call Center 800(724463537)  
 E mail: [infouae@ae.schindler.com](mailto:infouae@ae.schindler.com)  
[www.schindler.com](http://www.schindler.com)



**Schindler**

Contact Person: Mr. Neville Lobo, Managing Director

Fully owned subsidiary of Schindler Holding, the Company is licensed to conduct the strategic growth targets of Schindler in key markets like Dubai, Abu Dhabi, Bahrain, Kuwait, Qatar and Oman, with the overall objectives to: sell, install and maintain Schindler elevators and escalators in the UAE; act as a Gulf Hub assisting distributors in commercial / technical activities, providing support for negotiation of key projects; establish a close working relation with consultants, architects, general contractors, developers and owners providing planning & technical support with vertical transportation solution for all types of buildings; create a perceptible presence of Schindler to customers and enhance the Schindler brand recognition in the market place.

#### 502.04 Lighting Power Density - Interior

#### Applicable Materials & Systems

1. Internal Lighting

#### Applicable Standards / Regulations

ASHRAE 90.1-2007  
 DEWA Regulations

#### Availability of material

1. Internal Lighting

<b>502.05</b>	<b>Lighting Power Density - Exterior</b>
	<b>Applicable Materials &amp; Systems</b>
	1. External Lighting
	<b>Applicable Standards / Regulations</b>
	ASHRAE 90.1-2007 DEWA Regulations ASHRAE 90 -1
	<b>Availability of material</b>
	1. External Lighting
<b>502.06</b>	<b>Lighting Controls</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Lighting Control System
	<b>Applicable Standards / Regulations</b>
	ASHRAE – 90-1 UK Building regulation L2A
	<b>Availability of material</b>
	1. Lighting Control System
<b>502.07</b>	<b>Electronic Ballasts</b>

	<b>Applicable Materials &amp; Systems</b>
	1. Electronic Ballasts
	<b>Applicable Standards / Regulations</b>
	DEWA / DEWA Regulations BSEN – 60928 ANSI – 682.11 – C
	<b>Availability of material</b>
<b>502.08</b>	<b>Control Systems for Heating, Ventilation and Air Conditioning (HVAC) Systems</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Control System for HVAC System.
	<b>Applicable Standards / Regulations</b>
	ASHRAE 90-1-2007 Dubai Municipality/DEWA Regulations
	<b>Availability of material</b>
	<b>1. Control System for HVAC System</b>
<b>502.09</b>	<b>Control Systems for Hotel Rooms</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Light Control System 2. HVAC Control System
	<b>Applicable Standards / Regulations</b>



ASHRAE 90-1-2007  
Dubai Municipality / DEWA REGULATION

**Availability of material**

**1. Light Control System**

**2. HVAC Control System**

**502.10 Exhaust Air Energy Recovery Systems**

**Applicable Materials & Systems**

**1. Energy Recovery System**

**Applicable Standards / Regulations**

DM/DEWA Green Building Regulation.

**Availability of material**

**1. Energy Recovery System**

**502.11 Pipe and Duct Insulation**

**Applicable Materials & Systems**

**1. Duct Insulation Materials**

**Applicable Standards / Regulations**

BS 5422:2009  
ASTM C-518 / C-177

## Availability of material

### 1. Duct Insulation Materials

#### Kuwait Insulating Material Manufacturing Co. (KIMMCO)

Contact Details: P.O. Box 9207, Al Wasel Al Mamzar Bldg. ,  
Al Wuheida Road,  
Al Mamzar, Dubai  
Tel: +9714 2967660, Fax-04-2967550  
E-mail: [mshariff@alghanim.com](mailto:mshariff@alghanim.com) / [shariff@kimco.ae](mailto:shariff@kimco.ae)  
[www.kimmcoinsulations.com](http://www.kimmcoinsulations.com)



**KIMMCO**

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

#### FUJAIRAH ROCKWOOL FACTORY

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E-mail: [frf@emirates.net.ae](mailto:frf@emirates.net.ae)  
[www.rockwoolfujairah.ae](http://www.rockwoolfujairah.ae)



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

#### Exeed Glasswool LLC.

Contact Details: Industrial City of Abdu Dhabi [ICAD]  
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E- Mail: [imallah@glasswool.ae](mailto:imallah@glasswool.ae)  
[www.exeed.ae](http://www.exeed.ae)



**GLASSWOOL**  
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

## 502.12 Thermal Storage for District Cooling

	<b>Applicable Materials &amp; Systems</b>
	Thermal energy storage tank, Thermal energy storage systems & controls.
	<b>Applicable Standards / Regulations</b>
	Executive Order No. 27
	<b>Availability of material</b>
<b>502.13</b>	<b>Ductwork Air Leakage</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Regulations
	<b>Availability of material</b>
	Not Applicable
<b>502.14</b>	<b>Maintenance of Mechanical Systems</b>
	<b>Applicable Materials &amp; Systems</b>
	Air duct pressure testing equipment / system.
	<b>Applicable Standards / Regulations</b>
	ASHRAE 62 – 1 Dubai Municipality Regulations



	<b>Availability of material</b>
<b>503</b>	<b>Chapter 3: Commissioning and Management</b>
<b>503.01</b>	<b>Commissioning of Building Services – New Buildings</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	CIBSE Commissioning Code Dubai Municipality Code
	<b>Availability of material</b>
	Not Applicable
<b>503.02</b>	<b>Re-Commissioning of Building Services – Existing Buildings</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	CIBSE Commissioning Code Dubai Municipality Code
	<b>Availability of material</b>
	Not Applicable
<b>503.03</b>	<b>Electricity Metering</b>

	<b>Applicable Materials &amp; Systems</b>
	1. Electricity Meter
	<b>Applicable Standards / Regulations</b>
	DEWA Specification CIBSE TM - 22
	<b>Availability of material</b>
	1. Electricity Meter
<b>503.04</b>	<b>Air Conditioning Metering</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Air conditioning meter
	<b>Applicable Standards / Regulations</b>
	DEWA Specification
	<b>Availability of material</b>
<b>503.05</b>	<b>Central Control and Monitoring System</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Control and Monitoring System for HVAC
	<b>Applicable Standards / Regulations</b>

**Availability of material**

**1. Control and Monitoring System for HVAC**

**504**

**Chapter 4: Onsite Systems: Generation & Renewable Energy**

**504.01**

**On-Site Renewable Energy – Small to Medium Scale Embedded Generators**

**Applicable Materials & Systems**

**1. Generators**

**Applicable Standards / Regulations**

DEWA Regulations  
BS - 7671

**Availability of material**

**504.02**

**Outdoor Lighting**

**Applicable Materials & Systems**

**1. Outdoor lighting system based on renewable energy system.**

**Applicable Standards / Regulations**

ASHRAE – 90.1  
Dubai Municipality / DEWA Regulations

**Availability of material**

	<b>1. Renewable Energy System (Solar Energy)</b>
<b>504.03</b>	<b>On-Site Renewable Energy – Solar Water Heating System</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Solar Water Heater
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality / DEWA Regulations
	<b>Availability of material</b>
	1. Solar Water Heater



# 600

Section Six  
**Resource**  
**Effectiveness: Water**

601	Chapter 1: Conservation and Efficiency
601.01	Water Efficient Fittings
	<b>Applicable Materials &amp; Systems</b>
	<ol style="list-style-type: none"> <li>1. Water Conserving Fixtures</li> <li>2. Dual Flush</li> </ol>
	<b>Applicable Standards / Regulations</b>
	EN 817 – Sanitary Tap ware DM / DEWA Regulation
	<b>Availability of material</b>
	<b>1. Water Conserving Fixtures</b>
	<p><b>Baenninger Trading LLC.</b>  Contact Details: P.O. Box-474150, Dubai  Tel: 04 –8857955, Fax: 04 - 8857765  E mail: brme@eim.ae  www.baenninger.de</p> <p>Contact Person: Christopher Stark, Managing Director</p> <p>Materials we supply:</p> <ul style="list-style-type: none"> <li>- Pressure pipes and fittings made of PP-R; HDPE 100; UPVC in various dimensions</li> <li>- Drainage pipe systems underground UPVC and PP (KG2000)</li> <li>- Indoor waste water pipe systems HT-PP and Skolan db (Soundproof)</li> </ul> <p>Baenninger Trading supplies high quality and ecological pipes and fittings made of various plastics. Our main fields of application are gas and water supply as well as drainage and sewage.</p>
	<b>2. Dual Flush</b>
601.02	Condensate Drainage
	<b>Applicable Materials &amp; Systems</b>



1. Condensate Drainage System

**Applicable Standards / Regulations**

DM/DEWA Green Building Regulation.

**Availability of material**

Not Applicable

**601.03 Condensate Recovery**

**Applicable Materials & Systems**

1. Condensate Drainage System

**Applicable Standards / Regulations**

Dubai Municipality Regulation

**Availability of material**

**601.04 Water Efficient Irrigation**

**Applicable Materials & Systems**

1. Water Efficient Irrigation System

**Applicable Standards / Regulations**

DM/DEWA Green Building Regulation.

**Availability of material**

<b>602</b>	<b>Chapter 2: Commissioning and Management</b>
<b>602.01</b>	<b>Water Metering</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Water Meter
	<b>Applicable Standards / Regulations</b>
	DEWA Specification
	<b>Availability of material</b>
	1. Water meter
<b>603</b>	<b>Chapter 3: Onsite Systems: Recovery and Treatment</b>
<b>603.01</b>	<b>Water Reuse</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Dual Plumbing (Potable & Non Potable Water)
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Technical Guide 62 Dubai Municipality Regulations DEWA Specification
	<b>Availability of material</b>
	1. Dual Plumbing (Potable & Non Potable Water)



**Baenninger Trading LLC.**

Contact Details: P.O. Box-474150, Dubai  
Tel: 04 -8857955, Fax: 04 - 8857765  
E mail: brme@eim.ae  
www.baenninger.de



Contact Person: Christopher Stark, Managing Director

**Materials we supply:**

- Pressure pipes and fittings made of PP-R; HDPE 100; UPVC in various dimensions
- Drainage pipe systems underground UPVC and PP (KG2000)
- Indoor waste water pipe systems HT-PP and Skolan db (Soundproof)

Baenninger Trading supplies high quality and ecological pipes and fittings made of various plastics. Our main fields of application are gas and water supply as well as drainage and sewage.

**603.02 Water Consumption for Heat Rejection Including Cooling Towers****Applicable Materials & Systems**

1. Water Meter

**Applicable Standards / Regulations**

DEWA Specification

**Availability of material**

1. Water meter

# 700

Section Seven

**Resource Effectiveness:  
Materials and Waste**

701	Chapter 1: Materials and Resources
701.01	Thermal and Acoustical Insulation Materials
	<b>Applicable Materials &amp; Systems</b>
	<ol style="list-style-type: none"> <li>1. Thermal Insulation Materials</li> <li>2. Acoustic Insulation</li> </ol>
	<b>Applicable Standards / Regulations</b>
	ASTM C – 578, c- 612 BSEN – 13162 to 13165 Dubai Municipality Specification Dubai Municipality Ad. Regulation 66/2003
	<b>Availability of material</b>
	<b>1. Thermal Insulation Materials</b>
	<p><b>ISOFOAM ENGINEERING PRODUCTS LLC.</b></p> <p>Contact Details: P.O. Box- 35220 Dubai            Tel: + 971 4 2861082            Fax: +971 4 2860821            e-mail: <a href="mailto:isofoam@emirates.net.ae">isofoam@emirates.net.ae</a>  <a href="http://www.isofoamuae.com">www.isofoamuae.com</a></p> <p>Contact Person: Mr. Saad Kreidieh, General manager</p> <p><b>ISOFOAM</b>, a leader in building materials and energy efficiency solutions manufacturing zero ozone depleting <b>ISOBOARD green®</b> extruded polystyrene (XPS) rigid foam insulation and <b>hanex®</b> Acrylic Solid Surface to meet the requirements of green building.</p> <p><b>ISOFOAM</b> is ISO 9001: 2008 certified from BUREAU VERITAS for manufacturing and supplying – Certificate No. IND10.7766. ISOFOAM is DCL certified from Dubai Municipality licensing agreement no. CL05020002. The outstanding technology and quality have propelled ISOFOAM a leader in the field of building industry. Its products are regularly specified by leading International consultants and architects in GCC market &amp; Middle East.</p>





**Energy Zone L.L.C.****Contact Details:**

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 Tel-04-2671622, Fax-04-2671633  
 E mail. [energyzo@eim.ae](mailto:energyzo@eim.ae)  
[www.energyzonecoating.com](http://www.energyzonecoating.com)

**Contact Person:**

Eng. Claude Nasif,  
 Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...  
 Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere

**Kuwait Insulating Material Manufacturing Co. (KIMMCO)****Contact Details:**

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 Al Mamzar, Dubai  
 Tel: +9714 2967660, Fax-04-2967550  
 E-mail: [mshariff@alghanim.com](mailto:mshariff@alghanim.com) / [shariff@kimco.ae](mailto:shariff@kimco.ae)  
[www.kimmcoinsulations.com](http://www.kimmcoinsulations.com)

**KIMMCO**

**Contact Person:** Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

**Styrene Insulation Industry****Contact Details:**

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 Tel: +971 2 5511166 ,  
 Fax: +971 2 5511570,  
 e-mail: [styrene@eim.ae](mailto:styrene@eim.ae)  
[www.styrene-uae.com](http://www.styrene-uae.com)

**Contact Person:**

Mr. Suresh Raghavan, Chief Accountant

Styrene Insulation Industry (SII) started its Expanded Polystyrene (EPS) Injection and Block Moulded Polystyrene products under the brand name Insolite in 1997. Our factory is equipped with the most modern equipments, manned by a team of technically trained and skilled work force, who continuously strive to achieve the highest standard of product quality.

**ROOF CARE CO.L.L.C,****Contact Details:**

P.O Box- 1813, U.A.Q.  
 Tel: +971 6 7670666, Fax:+971 6 7670198,  
 E-mail: [roofcare@emirates.net.ae](mailto:roofcare@emirates.net.ae),  
[www.roof-care.com](http://www.roof-care.com)



**Contact Person:** Saji P. Varghese (+971 50 9387403)

The professional team of **ROOF-CARE** offers two comprehensive systems called: **"COMBO ROOF SYSTEM- for roof water proofing and heat insulation"** and **"Henkel Ceresit External Insulation Finishing System for External Walls"** with Dubai municipality's approval and manufacturer's performance guarantee.



### FUJAIRAH ROCKWOOL FACTORY

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[www.rockwoolfujairah.ae](http://www.rockwoolfujairah.ae)



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

### Exeed Glasswool LLC.

Contact Details: Industrial City of Abdu Dhabi [ICAD]  
P.O Box 34332, Abu Dhabi  
Tel: +971 2 5512453  
Fax: +971 2 5512451  
E- Mail: [imallah@glasswool.ae](mailto:imallah@glasswool.ae)  
[www.exceed.ae](http://www.exceed.ae)



GLASSWOOL  
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

### Caparol LLC.

Contact Details: Tel.04 - 3473538 Fax.04-3474256  
E.mail: [info@caparol.ae](mailto:info@caparol.ae)  
[www.caparol.ae](http://www.caparol.ae)

Contact Person: Mr.Ahmed El Bayaa,  
Regional Sales Manager



Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

### **Mammut Building Systems Fzc**

Contact Details: P.O Box-41668, HFZ , Sharjah  
Tel: +971 4 8012921, Fax: + 971 4 8012223  
E-mail: [satya.prakash@mammut.ae](mailto:satya.prakash@mammut.ae)  
[www.mammutsteel.ae](http://www.mammutsteel.ae)



Contact Person: Mr. SatyaPrakash, QA/QC Dept

Mammut Building Systems (MBS), a subsidiary of Emaar Industries and Investments an associated company of Emaar Group is one of the largest manufacturers of Pre-Engineered Steel Buildings (PEB's) and Polyurethane Injected Sandwich Panels in the world. MBS is specialized in the design, manufacture and supply of PEB using the best engineering softwares and most advanced production machineries in the PEB industry.

### **FOAMGLAS Building**

#### **PITTSBURGH CORNING Europe ( Rep. Office - Middle East)**

Contact Details: Arenco Tower (Media City),  
P.O. Box 213345, Dubai - UAE  
Tel. +971 4 434 71 40, Fax +971 4 432 7109  
Email: [info@foamglas.ae](mailto:info@foamglas.ae)  
[www.foamglas.ae](http://www.foamglas.ae)



Contact Person: Marco Thomas Vincenz, General Manager

FOAMGLAS® comes out outstandingly well in this overall assessment. Long service life, safety, environmental compatibility and economic feasibility make FOAMGLAS® the preferred insulating material for the whole building envelope.

### **NATIONAL POLYSTYRENE PACKAGING FACTORY L.L.C.**

Contact Details: P.O. Box-79970, Jabel Ali Industrial Area # 3  
Dubai  
Tel: +971 4 8802005  
Fax: +971 4 8802006  
E-mail: [naplpak@emirates.net.ae](mailto:naplpak@emirates.net.ae)  
[www.nppfdubai.com](http://www.nppfdubai.com)



Contact Person: Mr. Saeed Al Saghir, Managing Director

National Polystyrene Packaging Factory (NPPF) manufactures and market all types of Polystyrene Products which are related to Construction, Thermal Insulation, Geofoam, Packaging, Architectural works and Decorations, that will suit Customer's requirement. NPPF are serving U.A.E. & G.C.C. market since 1994 with excellent success.

National Polystyrene Packaging Factory is certified and Approved by prestigious private and public Certifying Institution, they are ISO 9001:2008 by M/s Lloyd's Register Quality Assurance, DCL Conformity Mark by M/s Dubai Municipality, Emirates Quality Mark by M/s Emirates Authority for Standardization & Metrology (ESMA), Emirates Green Building Council Corporate Membership by M/s Emirates Green Building Council

### **ELECTRONIC & ENGINEERING INDUSTRIES CO. LLC**

Contact Details: P.O. Box-5088, Sharjah  
Tel: +971 6 5332114  
Fax: +971 6 5332011  
E-mail: [eeishj@emirates.net.ae](mailto:eeishj@emirates.net.ae)  
[www.eei-ae.com](http://www.eei-ae.com)



Contact Person: Mr. M.J.Joseph

Electronic & Engineering Industries Co. LLC. was established in the year 1978 in Sharjah, U.A.E to manufacture Expanded Polystyrene Products. As a further expansion it was started its Extruded Polystyrene Factory ( ROOFMASTER XPS) in Mussafah, Abu Dhabi during 2003

### **Hapri Insulation Materials Manufacturing**

Contact Details: Tel. +971-4-3405466 Fax. +971-4-3405477  
Post Box # 37875, Dubai, U.A.E.  
E.mail: [hapri@emirates.net.ae](mailto:hapri@emirates.net.ae)  
[www.haprimiddleeast.com](http://www.haprimiddleeast.com)



Contact Person: Mr.Niaz,  
Marketing Manager

Type: Polyisocyanurate Insulation Board (Wall, Roof, Ceiling, Floor, Cladding)

Hapri Insulation Materials Manufacturing is one of the leading Manufacturer and Exporter of Polyisocyanurate Foam Board for Wall Insulation (External/Internal), Roof, Ceiling (Direct Paint Insulation available), Cladding, Cold Store , Pre-Insulated Duct Panels and Fabricated Ducts. Polyisocyanurate Foam Boards are available with different Laminations such as Fiber Glass and reflective Aluminum Foil depending upon the Applications.

We are having the honor of providing International quality products with best competitive prices and Minimum Delivery Time locally in UAE, Gulf Counties, Africa and to the sub continent.

### **GULF COOL THERM FACTORY LIMITED**

Contact Details: P.O Box 22069, Sharjah  
Tel: +971 6 5439600  
Fax: +971 6 5439611  
E-mail: [gulfcool@emirates.net.ae](mailto:gulfcool@emirates.net.ae)  
[www.gulfcooltherm.com](http://www.gulfcooltherm.com)



Contact Person: Mr. Shaji, Marketing Manager

Gulf Cool Therm Factory Limited is an ISO 9001 Certified Company with Quality System certified by UKAS of United Kingdom. Gulf Cool Therm Factory Limited, as a manufacturers and suppliers of high quality: Polyisocyanurate, Polyurethane and Phenolic Foam Pipe, Duct, Wall, Roof, Tank and Vessel Insulations. Pre-insulated Pipes and Fittings for Industrial and District Cooling Applications. Phenolic Foam or PIR Pre-insulated Duct Insulation panel Polyurethane Spray applied Foam for Heat Insulation and Water Proofing Systems. With best CNC machineries in the field and quality material available, with highly qualified technical and commercial staff, we are confident that our product will comply with all international standard and definitely will meet your requirements. In order to facilitate our client with best service with respect to quality and prompt delivery, respective elements of production and marketing were provided and enhanced under a tight quality control.

## **2. Acoustic Insulation**



**Kuwait Insulating Material Manufacturing Co. (KIMMCO)****Contact Details:**

P.O. Box 9207, Al Wasel Al Mamzar Bldg. ,  
Al Wuheida Road,  
Al Mamzar, Dubai

Tel: +9714 2967660, Fax-04-2967550

E-mail: [mshariff@alghanim.com](mailto:mshariff@alghanim.com) / [shariff@kimmco.ae](mailto:shariff@kimmco.ae)

[www.kimmcoinsulations.com](http://www.kimmcoinsulations.com)

**KIMMCO**

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

**FUJAIRAH ROCKWOOL FACTORY****Contact Details:**

P.O Box 211, Fujairah

Tel: +971 9 2222297

Fax: +971 9 2222573

E-mail: [frf@emirates.net.ae](mailto:frf@emirates.net.ae)

[www.rockwoolfujairah.ae](http://www.rockwoolfujairah.ae)



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

**Exeed Glasswool LLC.****Contact Details:**

Industrial City of Abdu Dhabi [ICAD]

P.O Box 34332, Abu Dhabi

Tel: +971 2 5512453

Fax: +971 2 5512451

E- Mail: [imallah@glasswool.ae](mailto:imallah@glasswool.ae)

[www.exceed.ae](http://www.exceed.ae)



GLASSWOOL  
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.



**Caparol LLC.****Contact Details:**

Tel.04 - 3473538 Fax.04-3474256

E.mail: [info@caparol.ae](mailto:info@caparol.ae)[www.caparol.ae](http://www.caparol.ae)**Contact Person:**Mr.Ahmed El Bayaa,  
Regional Sales Manager**Products Offered:** Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

**701.02 Certified / Accredited Timber****Applicable Materials & Systems**

1. Timber

**Applicable Standards / Regulations**

Timber Certification as per Dubai Municipality

**Availability of material**

1. Timber

**701.03 Asbestos Containing Materials****Applicable Materials & Systems**

1. Asbestose Free Materials

**Applicable Standards / Regulations**U.A.E. Federal Ministry Order 42 – 2008  
Dubai Municipality Technical Guideline – 48

## Availability of material

### 701.04 Lead or Heavy Metals Containing Materials

#### Applicable Materials & Systems

1. Paints
2. Coating
3. Adhesive
4. Sealants

#### Applicable Standards / Regulations

Dubai Municipality Standard -20  
Dubai Municipality Regulations

#### Availability of material

1. Paints
2. Coatings

#### Jotun Paints

Contact Details: Jotun UAE Ltd. P.O.Box 3671,  
Al Quoz, Dubai.  
Tel 04 3395000 Fax: 04 3380666  
E mail: [csd@jotundxb.ae](mailto:csd@jotundxb.ae)  
<http://www.jotun.com/me>

Contact Person: Mr. Wael Fahmy  
Regional sales Manager

Founded in 1926 in Norway and established in the Middle East since 1974, Jotun - one of the world's leading paint manufacturers, contributes to the environment by developing and offering competitive, sustainable products and solutions. A truly single source solution for clients, consultants and contractors alike.



#### Energy Zone L.L.C.

Contact Details: P.O.Box # 62650, Dubai  
Tel-04-2671622, Fax-04-2671633  
E mail: [energyzo@eim.ae](mailto:energyzo@eim.ae)  
[www.energyzonecoating.com](http://www.energyzonecoating.com)

Contact Person: Eng. Claude Nasif,  
Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...  
Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere



**Caparol LLC.**

Contact Details: Tel.04 - 3473538 Fax.04-3474256  
 E.mail: [info@caparol.ae](mailto:info@caparol.ae)  
[www.caparol.ae](http://www.caparol.ae)

Contact Person: Mr.Ahmed El Bayaa,  
 Regional Sales Manager



Products Offered: Paints, Concrete Coatings & Thermal Insulation

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**AkzoNobel**

Contact Details: P.O Box 290, Al Quoz, Dubai  
 Tel: +971 4 3472491, Fax: +971 4 3472339  
 E- mail: [tenders.me@akzonobel.com](mailto:tenders.me@akzonobel.com)  
[www.akzonobel.com](http://www.akzonobel.com)



Contact Person: Mr. Simon Major,  
 General Manager (M.E. Business Development)

AkzoNobel is the largest global paint and coatings company and a major producer of speciality chemicals. We supply industries and consumers worldwide with innovative products and are passionate about developing sustainable answers for our customers. Our portfolio includes well known brands such as Dulux, Sikkens, International and Eka. We are a Global Fortune 500 company and are consistently ranked as one of the leaders on the Dow Jones Sustainability index. With operations in more than 80 countries, our 55,000 employees around the world are committed to excellence and delivering Tomorrow's Answers Today

**Berger Paints Emirates Ltd LLC.**

Contact Details: Tel: 04 3391000, Fax: 04 3391322  
 E- mail: [customerservice.uae@bergeronline.com](mailto:customerservice.uae@bergeronline.com)



Contact Person: Mr.P.K Raj,  
 Marketing Manager

**Green Horizon** is our endeavour to create a greener future, and make sure that every step we take is in consonance with our mission and vision which lay down our responsibility and accountability towards the environment

**National Paints**

Contact Details: P.O Box 5822, Sharjah  
 Tel: 06 5340111, Fax: 06 5340222  
 E- mail: [technic@national-paints.com](mailto:technic@national-paints.com)



Contact Person: Gopal Kanojia,  
 Technical Manager

Through two of the biggest research and development labs and technical collaboration with international entities such as "Trans Ocean" from Holland, "Italtinto" from Italy, National Paints' product line is constantly updated in accordance with the demands of each separate market involved.

National Paints expanding product range and its strive for quality have granted it several international awards of recognition. Its reputation has given full support to undergo paint projects for hotels, airports, government corporations, hospitals, cultural institutions and other private and public sectors in various countries.



### MAS Paints and Chemicals Industry

Contact Details: P.O Box 23085, Sajja Industrial area, Sharjah  
Tel: 06 5311777, Fax: 06 5311330  
E- mail: [maspaints@emirates.net.ae](mailto:maspaints@emirates.net.ae)  
[www.maspaints.com](http://www.maspaints.com)



Contact Person: Mr. Marwan Al Atrash,  
Managing director

MAS Paints is widely known as pioneer in high performance wood coatings in the Middle East. Through its manufacturing units and showrooms, a wide range of decorative and finishing products are offered to end users, meeting all possible requirements from traditional craftsmen and joineries to the latest applications of UV curing and the low VOC lacquers (solvents and water-based). In addition to our traditional NC, PU and Acid Curing, our product range includes Dyes, Stains, Thinners, Polyester, Acrylics, Epoxy (for industrial application). Architectural paints and special effect decorative paints, where the most severe finishing applications from reputable hotels and palaces are met.

### Al Gurg Fosroc LLC

Contact Details: P.O Box 657, Dubai  
Tel: 04 - 2039699 Fax: 04 - 2859649  
E-mail: [agf@fosroc.com](mailto:agf@fosroc.com)  
[www.fosroc.com](http://www.fosroc.com)



*constructive solutions*

Contact Person: Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

### NanoPhos SA (Nilgiris International FZCO )

Contact Details: P.O Box 54877, Dubai  
Tel: +971 4 2998699, Fax: +971 4 2998698  
E- mail: [Krishnan@nilgirisfzco.com](mailto:Krishnan@nilgirisfzco.com)



Contact Person: Mr.A.N.Krishnan,  
General Manager (Operations)

NanoPhos manufactures environment friendly, water based, energy saving, water repelling, self cleaning & green products to protect porous and non-porous substrates such as concrete, natural stone, marble, granite, ceramic tiles, gypsum, natural wood, metals and glass. Nilgiris International FZCO is an international trading & marketing organization established in the year 2008 and located in Dubai Airport Free Zone. We represent NanoPhos SA, Greece as their Distributors in U.A.E., Oman & India.

### 3. Adhesives



### Falcon Chemicals

Contact Details:

P.O Box 2924, Dubai  
Tel: 04 - 8801444 Fax: 04 - 8801717  
E-mail: [inquiry@falconchemicals.com](mailto:inquiry@falconchemicals.com)  
[www.falconchemicals.com](http://www.falconchemicals.com)



Contact Person: Mr. Qazi, Marketing Manager

We offer a wide variety of products used in the construction industry. Our products have been used for more than 20 years in most of the prestigious projects all over the Middle East. The products for the construction industry are Tile Adhesives and Grouts, concrete repair mortars, specially formulated adhesives for marble, natural stones and polystyrene, bonding key coat, floor hardener, self leveling compound and Epoxy/polyurethane coating etc.

### MAPEI (I.B.S. Innovative Building Solutions LLC.)

Contact Details: Post Box # 73869, Dubai  
Tel: 04 815 6666 Fax: 04 815 6655  
E-Mail [l.haboubi@ibs-mapei.ae](mailto:l.haboubi@ibs-mapei.ae)  
[www.mapei.ae](http://www.mapei.ae)



Contact Person: Mr. Laith Haboubi (Regional Director)

Founded in Milan, Italy in 1937, Mapei is today the world leader in the production of adhesives and complementary products for the installation of all types of floor and wall coverings. The company is also specialized in other chemical products for building with distinctive product lines which range from waterproofers to special mortars, from concrete admixtures to products for the restoration of ancient buildings. MAPEI has 68 subsidiaries with 58 production facilities in operation spread across 27 countries in five continents. MAPEI's UAE subsidiary, Innovative Building Solutions LLC was formed as part of its long-term commitment to the Middle East. The company commenced production in February 2009, at its 40,000 m2 facility at Dubai Investments Park.

### Al Gurg Fosroc LLC

Contact Details: P.O Box 657, Dubai  
Tel: 04 - 2039699 Fax: 04 - 2859649  
E-mail: [agf@fosroc.com](mailto:agf@fosroc.com)  
[www.fosroc.com](http://www.fosroc.com)



Contact Person: Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

## 4. Sealants

**Falcon Chemicals****Contact Details:**

P.O Box 2924, Dubai  
 Tel: 04 - 8801444 Fax: 04 - 8801717  
 E-mail: [inquiry@falconchemicals.com](mailto:inquiry@falconchemicals.com)  
[www.falconchemicals.com](http://www.falconchemicals.com)



**Contact Person:** Mr. Qazi, Marketing Manager

We offer a wide variety of products used in the construction industry. Our products have been used for more than 20 years in most of the prestigious projects all over the Middle East. The products for the construction industry are Tile Adhesives and Grouts, concrete repair mortars, specially formulated adhesives for marble, natural stones and polystyrene, bonding key coat, floor hardener, self leveling compound and Epoxy/polyurethane coating etc.

**MAPEI (I.B.S. Innovative Building Solutions LLC.)**

**Contact Details:** Post Box # 73869, Dubai  
 Tel: 04 815 6666 Fax: 04 815 6655  
 E-Mail [l.haboubi@ibs-mapei.ae](mailto:l.haboubi@ibs-mapei.ae)  
[www.mapei.ae](http://www.mapei.ae)



**Contact Person:** Mr. Laith Haboubi (Regional Director)

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**Al Gurg Fosroc LLC**

**Contact Details:** P.O Box 657, Dubai  
 Tel: 04 - 2039699 Fax: 04 - 2859649  
 E-mail: [agf@fosroc.com](mailto:agf@fosroc.com)  
[www.fosroc.com](http://www.fosroc.com)



**Contact Person:** Mr. Manar Jamhour, General Manager

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**701.05 Ozone Depletion Potential (ODP) Material Management****Applicable Materials & Systems**

1. HVAC Equipments with zero Ozone depletion potential (OPD)

**Applicable Standards / Regulations**

	OPP and GWP Indices Dubai Municipality Technical Guideline No. 58 Dubai Municipality Circular 108 Montreal Protocol
	<b>Availability of material</b>
	<b>1. HVAC Equipments with zero Ozone depletion potential (OPD)</b>
<b>701.06</b>	<b>Recycled Content</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Recycled Materials
	<b>Applicable Standards / Regulations</b>
	Not Applicable
	<b>Availability of material</b>
	Not Applicable
<b>701.07</b>	<b>Regional Material</b>
	<b>Applicable Materials &amp; Systems</b>
	1. The Economic Agreement between GCC States Adopted on GCC Council 22 Session on 31 <sup>st</sup> December 2001
	<b>Applicable Standards / Regulations</b>
	Not Applicable
	<b>Availability of material</b>
	Not applicable

<b>701.08</b>	<b>Composite Wood Products</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Composite wood free from Urea & Formaldehyde Resin
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Regulations ASTM D 5456 / ASTM D 7032 / ASTM E 1333 / ASTM D 6007 / ASTM D 5582
	<b>Availability of material</b>
	1. Composite Wood Free From Urea & Formaldehyde Resin
<b>702</b>	<b>Chapter 2: Waste Management</b>
<b>702.01</b>	<b>Construction and Demolition Waste</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Recycled / Reused Material
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Technical Guideline No. 26
	<b>Availability of material</b>
	1. Recycled / Reused Material
<b>702.02</b>	<b>Bulk Waste Collection</b>



	<b>Applicable Materials &amp; Systems</b>
	1. Bulk Waste Collection Area
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Regulations
	<b>Availability of material</b>
	Not Applicable
<b>702.03</b>	<b>Waste Storage</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Recycled and Non-recyclable Storage Area
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Regulations
	<b>Availability of material</b>
	Not Applicable
<b>702.04</b>	<b>Waste Collection</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Garbage Area
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Ad. Resolution – 125 – 2001 BS – 1703: 2005

	<b>Availability of material</b>
	Not Applicable
<b>702.05</b>	<b>Recyclable Waste Management Facilities</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Recyclable Waste Facility
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Admin. Resolution – 125 – 2001
	<b>Availability of material</b>

# **PART - II**

# **AVAILABILITY OF**

# **TESTING FACILITY**



301	Chapter 1: Access and Mobility
301.01	Preferred Parking
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Administrative Resolution No. – 125 – 2001
	<b>Availability of Testing Facility</b>
	Not Applicable
301.02	Enabled access
	<b>Applicable Materials &amp; Systems</b>
	2. Special Need Toilet
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Administrative Resolution No.- 125 – 2001 U.A.E. Federal Lab. No. 25 - 1999
	<b>Availability of Testing Facility</b>
	2. Special need Toilet
	<b>Dubai Central Laboratory</b>  Location & Contact Details Zabeel Road Next to Central Post Office Post Box # 67 Dubai Tel. 04 302 7007 Fax: 04 336 2696  Contact Person: Eng. Ali Elian (Head of Engineering Materials Section) <b>E-mail: <a href="mailto:info@dcl.ae">info@dcl.ae</a></b> <b><a href="http://www.dcl.ae">www.dcl.ae</a></b>  Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".





<b>301.03</b>	<b>Bicycle Storage and Changing Rooms</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Cycle Rack
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Administrative Resolution No.- 125 – 2001 Dubai Bicycle Master Plan 2008 - RTA
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>302</b>	<b>Chapter 2: Ecology and Landscaping</b>
<b>302.01</b>	<b>Local Species</b>
	<b>Applicable Materials &amp; Systems</b>
	3. Vegetated roof 4. Planted area
	<b>Applicable Standards / Regulations</b>
	Not Applicable
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>303</b>	<b>Chapter 3: Neighborhood Pollution</b>
<b>303.1</b>	<b>Exterior Light Pollution and Controls</b>
	<b>Applicable Materials &amp; Systems</b>
	3. Light shield 4. Automatic Control for Exterior Lighting
	<b>Applicable Standards / Regulations</b>

## Availability of Testing Facility

3. Light Shield
4. Automatic Control for Exterior Lighting

## Dubai Central Laboratory

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## 304 Chapter: 4 Micro Climate & Outdoor Comfort

### 304.01 Urban Heat Island Effect

#### Applicable Materials & Systems

2. High SRI Roof

#### Applicable Standards / Regulations

ASTM E – 1980, C – 1549, C – 1371, E 408

#### Availability of Testing Facility

2. High SRI Roof

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### 304.02 Green Roof

#### Applicable Materials & Systems

2. Green Roof System

#### Applicable Standards / Regulations

ASTM E – 2400, ASTM E - 1980

## Availability of Testing Facility

### 2. Green Roof System

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### 304.03 Light Colors on the Outside of Buildings

#### Applicable Materials & Systems



## 2. High LRV Coatings & Paints

### Applicable Standards / Regulations

BS 8493: 2008 + A1, ASTM E 1175

### Availability of Testing Facility

## 2. High LRV Coatings & Paints

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## 304.04 Orientation of Glazed Facades

### Applicable Materials & Systems

## 2. Building Glass

### Applicable Standards / Regulations

ASTM International Glass and Glazing Standards for Building Industry.

### Availability of Testing Facility

## 2. Building Glass

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### 304.05 Hardscape

#### Applicable Materials & Systems

4. Vegetation
5. Paving Material with High SRI
6. Shading Material with High SRI

#### Applicable Standards / Regulations

ASTM – E – 1980, C-1549, C-1371, E - 408

#### Availability of Testing Facility

4. Vegetation

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## 5. Paving Material with High SRI



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## 6. Shading Material with High SRI



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### 304.06 Shading of Public Access Areas

#### Applicable Materials & Systems

#### 2. Shading Material with High SRI

#### Applicable Standards / Regulations

ASTM E – 1980, C – 1549, C – 1371, E 408

## Availability of Testing Facility

### 2. Shading Material with High SRI

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<b>305.1</b>	<b>Impact of Construction, Demolition and Operational Activities</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	ASTM International Technical Committee – 262 D – 34 Dubai Municipality Local Order No. 61 / 1999 Dubai Municipality Technical Guideline No. – 12, 26, 29, 44, 48, 50, 53, 56 Dubai Municipality Building Dept. Circular – 77, 93, 89, 108, 117, 139, 154, 158, 161
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>306</b>	<b>Chapter 6: Environmental Impact Assessment</b>
<b>306.01</b>	<b>Environmental Impact Assessment</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Technical Guideline No. 4 and 53
	<b>Availability of Testing Facility</b>



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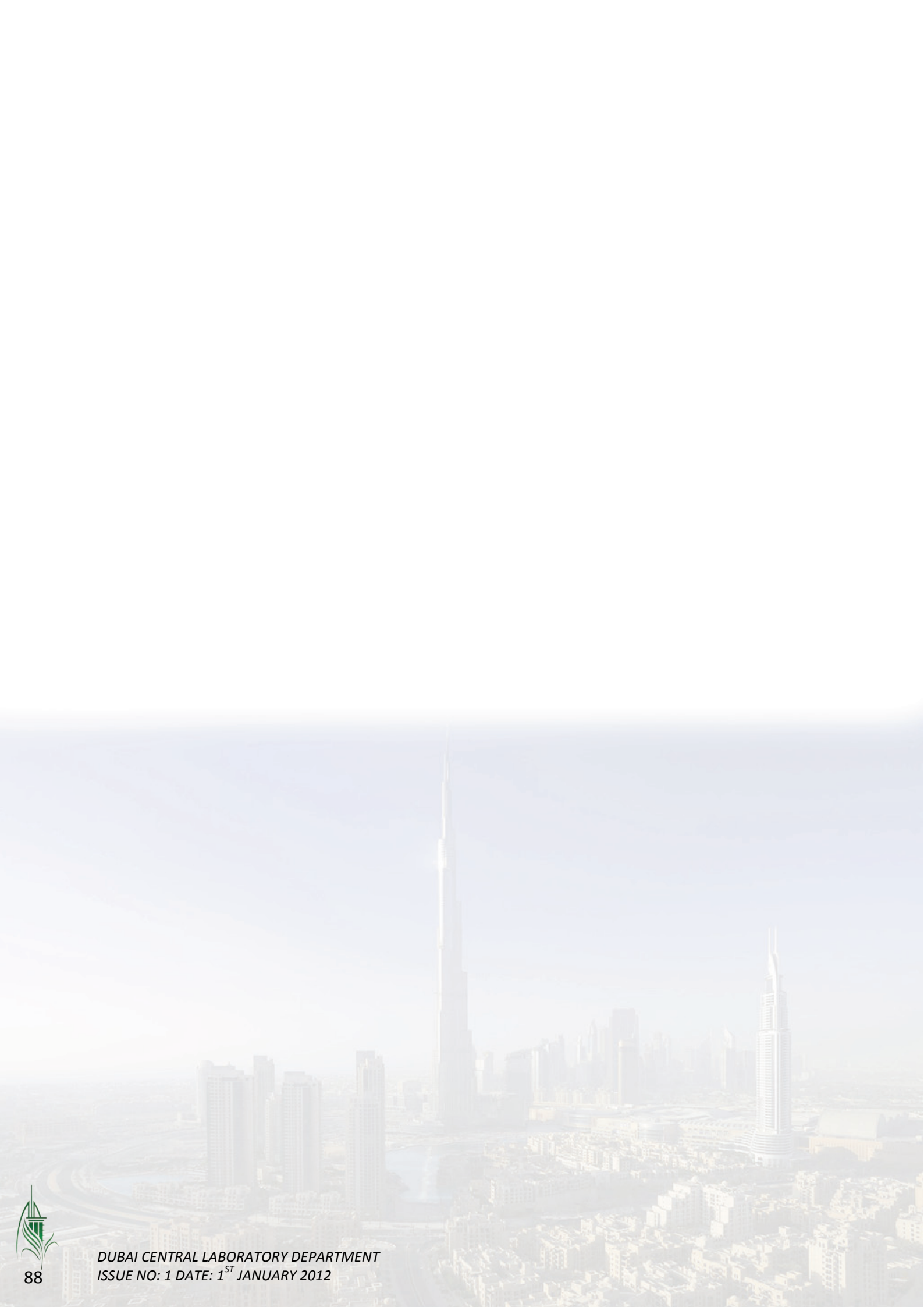
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401	Chapter 1: Ventilation and Air Quality
401.01	Minimum Ventilation requirements for Adequate Indoor Air Quality
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	ASHRAE 62 - 2007
	<b>Availability of Testing Facility</b>
	<p><b>Dubai Central Laboratory</b></p> <p>Location &amp; Contact Details  Zabeel Road  Next to Central Post Office  Post Box # 67  Dubai  Tel. 04 302 7007  Fax: 04 336 2696</p> <p>Contact Person: Eng. Ali Elian  (Head of Engineering Materials Section)  <b>E-mail: <a href="mailto:info@dcl.ae">info@dcl.ae</a></b>  <b><a href="http://www.dcl.ae">www.dcl.ae</a></b></p> <p>Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".</p>



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### 401.02 Air Quality During Construction, Renovation or Decoration

#### Applicable Materials & Systems

##### 2. Air Filters

#### Applicable Standards / Regulations



**Availability of Testing Facility****2. Air Filters****Dubai Central Laboratory**

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**401.03 Air Inlets and Exhausts**

## Applicable Materials & Systems

2. Air exhaust system

## Applicable Standards / Regulations

ASHRAE 62 – 2007, SMACNOT APPLICABLE 1035 – HVAC Duct Construction Standards

## Availability of Testing Facility

2. Air exhaust system

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### 401.04 Isolation of Pollutant sources

### Applicable Materials & Systems

#### 2. Air extraction System

### Applicable Standards / Regulations



## Availability of Testing Facility

### 2. Air extraction System

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### 401.05 Openable Windows

#### Applicable Materials & Systems

2. Windows

#### Applicable Standards / Regulations

CIBSE application manual Am10:1997

#### Availability of Testing Facility

Not Applicable

### 401.06 Indoor Air Quality Compliance – New Buildings

#### Applicable Materials & Systems

2. Enough ventilations

#### Applicable Standards / Regulations

ASTM D – 5116, D – 6886

## Availability of Testing Facility

### 1. Enough Ventilations

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### 401.07 Indoor Air Quality Compliance – Existing Buildings

#### Applicable Materials & Systems

2. Enough Ventilation

#### Applicable Standards / Regulations

Heating and Ventilating Contractors Association (HVCA) TR-19 guide to good practice  
BSR / ASHRAE / ACCA Standard 180P – Standard Practice for Inspection and Maintenance of Commercial Building HVAC System.

#### Availability of Testing Facility

1. Enough Ventilation



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### 401.08 Inspection and Cleaning of HVAC Equipment

#### Applicable Materials & Systems

2. HVAC equipments / system

#### Applicable Standards / Regulations

Dubai Municipality guidelines

#### Availability of Testing Facility

2. HVAC systems / equipments

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### 401.09 Parking Ventilation

#### Applicable Materials & Systems

2. Ventilation System

#### Applicable Standards / Regulations

ASTM D – 3762  
ASTM F - 984

#### Availability of Testing Facility

Not Applicable

### 401.10 Environmental Tobacco Smoke

#### Applicable Materials & Systems

2. Smoking designated area

#### Applicable Standards / Regulations

3. Dubai Municipality Local order No. 11 – 2003
4. Dubai Municipality Admin. resolution 92 - 2009

### Availability of Testing Facility

Not Applicable

## 402 Chapter 2: Thermal Comfort

### 402.01 Thermal Comfort

### Applicable Materials & Systems

2. HVAC

### Applicable Standards / Regulations

ASHRAE: 55

### Availability of Testing Facility

2. HVAC systems / equipments

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403	Chapter 3: Acoustic Comfort
403.01	Acoustical Control
	Applicable Materials & Systems
	2. Acoustic Insulation Materials
	Applicable Standards / Regulations
	BS – 8233: 1999 Building Regulation Approved Document E(R-2008)OK Health Technical Memorandum 08 – 01 (U.K) Building Bulletin 93 (U.K.)
	Availability of Testing Facility
	2. Acoustic Insulation Materials
	<b>Dubai Central Laboratory</b>  Location & Contact Details Zabeel Road Next to Central Post Office Post Box # 67 Dubai Tel. 04 302 7007 Fax: 04 336 2696  Contact Person: Eng. Ali Elian (Head of Engineering Materials Section) <b>E-mail: <a href="mailto:info@dcl.ae">info@dcl.ae</a></b> <b><a href="http://www.dcl.ae">www.dcl.ae</a></b>  Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".
	
404	Chapter 4: Hazardous Materials
404.01	Low Emitting Material: Paints and Coatings
	Applicable Materials & Systems



2. Low VOC paints
3. Low VOC coatings

### Applicable Standards / Regulations

ASTM D – 5116  
ISO – FDIS 11890 – 2  
ASTM D 3930

### Availability of Testing Facility

2. Low VOC Paints
3. Low VOC Coatings

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## 404.02 Low Emitting Material: Adhesives and Sealants

### Applicable Materials & Systems

3. Low VOC Sealants
4. Low VOC Adhesives

### Applicable Standards / Regulations

ASTM D – 5116  
ASTM D – 3930  
ISO-FDIS 11890-2

### Availability of Testing Facility

### 3. Low VOC Sealants

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### 4. Low VOC Adhesives

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#### 404.03 Carpet Systems

#### Applicable Materials & Systems

## 2. Carpet

### Applicable Standards / Regulations

Dubai Municipality – DCL Certification

### Availability of Testing Facility

## 2. Carpet

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## 405 Chapter 5: Day lighting and Visual Comfort

### 405.01 Provision of natural Daylight

### Applicable Materials & Systems

NOT APPLICABLE

### Applicable Standards / Regulations

Dubai Municipality Regulations

	<b>Availability of Testing Facility</b>
	Not Applicable
<b>405.02</b>	<b>Views</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Regulations
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>406</b>	<b>Chapter 6: Water Quality</b>
<b>406.01</b>	<b>Legionella Bacteria and Building Water Systems</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Water Treatment Chemicals
	<b>Applicable Standards / Regulations</b>
	ASTM D - 5952 Dubai Municipality Guidelines
	<b>Availability of Testing Facility</b>
	2. Water Treatment Chemicals



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### 406.02 Water Quality of Water Features

#### Applicable Materials & Systems

##### 2. Water Treatment Chemicals

#### Applicable Standards / Regulations

ASTM D - 5952

Dubai Municipality Guidelines

ASRAE – Guideline 12 - 2000

#### Availability of Testing Facility

##### 2. Water Treatment Chemicals

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501	Chapter 1: Conservation and Efficiency: Building Fabric
501.01	Minimum Envelope Performance Requirements
	Applicable Materials & Systems
	3. Thermal Insulation materials / Systems 4. Glazed elements (Glass)
	Applicable Standards / Regulations
	Dubai Municipality Ad. Order – 66 ASTM C - 1363 ASTM C- 578 ASTM C-612 BSEN-13162, to 13165
	Availability of Testing Facility
	3. Thermal Insulation Materials / Systems
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#### 4. Glazed Elements (Glass)

#### 501.02 Thermal Bridging

#### Applicable Materials & Systems

#### 2. Thermal Insulation Materials

#### Applicable Standards / Regulations

Dubai Municipality Admin. Resolution 66 / 2003, CIBSE Environmental design guide  
ASTM C – 1363, ASTM C – 578, ASTM C – 612, BSEN – 13162 – 13165  
ASHRAE 90.1

#### Availability of Testing Facility

#### 2. Thermal Insulation Materials

## Dubai Central Laboratory

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### 501.03 Air Conditioning Design Parameters

#### Applicable Materials & Systems

2. HVAC Equipments.

#### Applicable Standards / Regulations

ASHRAE – Hand book

#### Availability of Testing Facility

2. HVAC Equipments

### 501.04 Air Loss from Entrance and Exit

#### Applicable Materials & Systems

Not Applicable

## Applicable Standards / Regulations

Not Applicable

## Availability of Testing Facility

Not Applicable

### 501.05 Air Leakage

## Applicable Materials & Systems

Not Applicable

## Applicable Standards / Regulations

ASTM E – 783  
ASTM E- 1424

## Availability of Testing Facility

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[www.geochem.ae](http://www.geochem.ae)

**Geo-Chem Middle East** established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.

## Material Lab

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502

## Chapter 2: Conservation and Efficiency: Building Systems

502.01

### Energy Efficiency – HVAC Equipment and Systems

#### Applicable Materials & Systems

#### 2. HVAC Equipments (Energy Efficient)

	<b>Applicable Standards / Regulations</b>
	T1 – AR 1210/240 T3 – ISO 5151 AR 1210/240 T1 – AR1 361 T1 AR1550/590, AR1560
	<b>Availability of Testing Facility</b>
	<b>2. HVAC Equipments (Energy Efficient)</b>
<b>502.02</b>	<b>Demand Controlled Ventilation</b>
	<b>Applicable Materials &amp; Systems</b>
	1. Mechanical Ventilation 2. CO <sub>2</sub> Sensors / System
	<b>Applicable Standards / Regulations</b>
	ASHRAE – 62–2–2007
	<b>Availability of Testing Facility</b>
	1. Mechanical Ventilation 2. CO <sub>2</sub> Sensors / System

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### 502.03 Elevators and Escalators

#### Applicable Materials & Systems

3. Energy saving escalators and elevators
4. Elevator/Escalator Control System

#### Applicable Standards / Regulations

ASTM F-916

#### Availability of Testing Facility

3. Energy saving escalators and elevators
4. Elevator / Escalator Control system

### 502.04 Lighting Power Density - Interior

#### Applicable Materials & Systems

2. Internal Lighting



	<b>Applicable Standards / Regulations</b>
	ASHRAE 90.1-2007 DEWA Regulations
	<b>Availability of Testing Facility</b>
	<b>2. Internal Lighting</b>
<b>502.05</b>	<b>Lighting Power Density - Exterior</b>
	<b>Applicable Materials &amp; Systems</b>
	<b>2. External Lighting</b>
	<b>Applicable Standards / Regulations</b>
	ASHRAE 90.1-2007 DEWA Regulations ASHRAE 90 -1
	<b>Availability of Testing Facility</b>
	<b>2. External Lighting</b>
<b>502.06</b>	<b>Lighting Controls</b>
	<b>Applicable Materials &amp; Systems</b>
	<b>2. Lighting Control System</b>
	<b>Applicable Standards / Regulations</b>
	ASHRAE – 90-1 UK Building regulation L2A

	<b>Availability of Testing Facility</b>
	<b>2. Lighting Control System</b>
<b>502.07</b>	<b>Electronic Ballasts</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Electronic Ballasts
	<b>Applicable Standards / Regulations</b>
	DEWA / DEWA Regulations BSEN – 60928 ANSI – 682.11 – C
	<b>Availability of Testing Facility</b>
	<b>1. Electronic Ballasts</b>
<b>502.08</b>	<b>Control Systems for Heating, Ventilation and Air Conditioning (HVAC) Systems</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Control System for HVAC System.
	<b>Applicable Standards / Regulations</b>
	ASHRAE 90-1-2007 Dubai Municipality/DEWA Regulations
	<b>Availability of Testing Facility</b>
	<b>2. Control System for HVAC System</b>

<b>502.09</b>	<b>Control Systems for Hotel Rooms</b>
	<b>Applicable Materials &amp; Systems</b>
	3. Light Control System 4. HVAC Control System
	<b>Applicable Standards / Regulations</b>
	ASHRAE 90-1-2007 Dubai Municipality / DEWA REGULATION
	<b>Availability of Testing Facility</b>
	<b>3. Light Control System</b>
	<b>4. HVAC Control System</b>
<b>502.10</b>	<b>Exhaust Air Energy Recovery Systems</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Energy Recovery System
	<b>Applicable Standards / Regulations</b>
	Not Applicable
	<b>Availability of Testing Facility</b>
	Not Applicable

502.11	<b>Pipe and Duct Insulation</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Duct Insulation Materials
	<b>Applicable Standards / Regulations</b>
	BS 5422:2009 ASTM C-518 / C-177
	<b>Availability of Testing Facility</b>
	2. Duct Insulation Materials
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502.12	<b>Thermal Storage for District Cooling</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>





	Not Applicable
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>502.13</b>	<b>Ductwork Air Leakage</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Regulations
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>502.14</b>	<b>Maintenance of Mechanical Systems</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	ASHRAE 62 – 1 Dubai Municipality Regulations
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>503</b>	<b>Chapter 3: Commissioning and Management</b>

<b>503.01</b>	<b>Commissioning of Building Services – New Buildings</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	CIBSE Commissioning Code Dubai Municipality Code
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>503.02</b>	<b>Re-Commissioning of Building Services – Existing Buildings</b>
	<b>Applicable Materials &amp; Systems</b>
	Not Applicable
	<b>Applicable Standards / Regulations</b>
	CIBSE Commissioning Code Dubai Municipality Code
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>503.03</b>	<b>Electricity Metering</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Electricity Meter
	<b>Applicable Standards / Regulations</b>

DEWA Specification  
CIBSE TM - 22

**Availability of Testing Facility**

**2. Electricity Meter**

**503.04 Air Conditioning Metering**

**Applicable Materials & Systems**

**2. Air conditioning meter**

**Applicable Standards / Regulations**

DEWA Specification

**Availability of Testing Facility**

**503.05 Central Control and Monitoring System**

**Applicable Materials & Systems**

**2. Control and Monitoring System for HVAC**

**Applicable Standards / Regulations**

CIBSE Guide – 14. Building Control System

**Availability of Testing Facility**

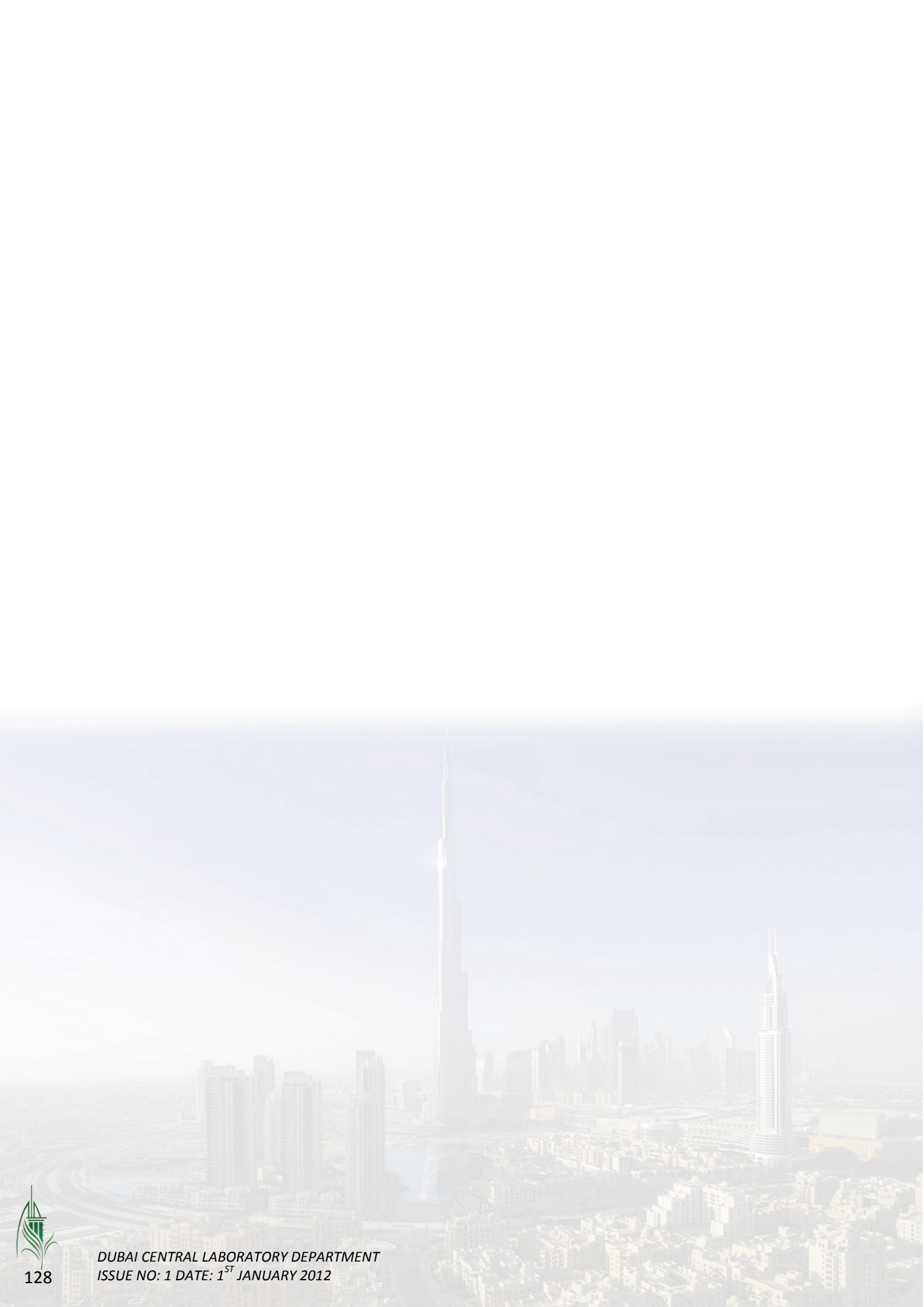
**2. Control and Monitoring System for HVAC**

<b>504</b>	<b>Chapter 4: Onsite Systems: Generation &amp; Renewable Energy</b>
<b>504.01</b>	<b>On-Site Renewable Energy – Small to Medium Scale Embedded Generators</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Generators
	<b>Applicable Standards / Regulations</b>
	DEWA Regulations BS - 7671
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>504.02</b>	<b>Outdoor Lighting</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Renewable Energy System (Solar Energy)
	<b>Applicable Standards / Regulations</b>
	ASHRAE – 90.1 Dubai Municipality / DEWA Regulations
	<b>Availability of Testing Facility</b>
	2. Renewable Energy System (Solar Energy)
<b>504.03</b>	<b>On-Site Renewable Energy – Solar Water Heating System</b>



	<b>Applicable Materials &amp; Systems</b>
	2. Solar Water Heater
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality / DEWA Regulations
	<b>Availability of Testing Facility</b>
	2. Solar Water Heater





601	Chapter 1: Conservation and Efficiency
601.01	Water Efficient Fittings
	Applicable Materials & Systems
	3. Water Conserving Fixtures 4. Dual Flush
	Applicable Standards / Regulations
	EN 817 – Sanitary Tap ware DM / DEWA Regulation
	Availability of Testing Facility
	3. Water Conserving Fixtures
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### 4. Dual Flush

#### 601.02 Condensate Drainage

#### Applicable Materials & Systems

#### 2. Condensate Drainage System

#### Applicable Standards / Regulations

Not Applicable

#### Availability of Testing Facility

Not Applicable

#### 601.03 Condensate Recovery

#### Applicable Materials & Systems



	2. Condensate Drainage System
	<b>Applicable Standards / Regulations</b>
	Not Applicable
	<b>Availability of Testing Facility</b>
	Not Applicable
601.04	<b>Water Efficient Irrigation</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Water Efficient Irrigation System
	<b>Applicable Standards / Regulations</b>
	WRC – NSF Guide for Testing and approval of water pipes, fittings and materials
	<b>Availability of Testing Facility</b>
602	<b>Chapter 2: Commissioning and Management</b>
602.01	<b>Water Metering</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Water Meter
	<b>Applicable Standards / Regulations</b>
	DEWA Specification WRC – NSF Guide for Testing and approval of water pipes, fittings and materials

	<b>Availability of Testing Facility</b>
	<b>2. Water meter</b>
<b>603</b>	<b>Chapter 3: Onsite Systems: Recovery and Treatment</b>
<b>603.01</b>	<b>Water Reuse</b>
	<b>Applicable Materials &amp; Systems</b>
	<b>2. Dual Plumbing (Potable &amp; Non Potable Water)</b>
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Technical Guide 62 Dubai Municipality Regulations DEWA Specification
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>603.02</b>	<b>Water Consumption for Heat Rejection Including Cooling Towers</b>
	<b>Applicable Materials &amp; Systems</b>
	<b>2. Water Meter</b>
	<b>Applicable Standards / Regulations</b>
	DEWA Specification
	<b>Availability of Testing Facility</b>
	<b>2. Water meter</b>



701	Chapter 1: Materials and Resources
701.01	Thermal and Acoustical Insulation Materials
	<b>Applicable Materials &amp; Systems</b>
	3. Thermal Insulation Materials 4. Acoustic Insulation
	<b>Applicable Standards / Regulations</b>
	ASTM C – 578, c- 612 BSEN – 13162 to 13165 Dubai Municipality Specification Dubai Municipality Ad. Regulation 66/2003
	<b>Availability of Testing Facility</b>
	<b>3. Thermal Insulation Materials</b>
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	<b>4. Acoustic Insulation</b>





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### 701.02 Certified / Accredited Timber

#### Applicable Materials & Systems

2. Timber

#### Applicable Standards / Regulations

Timber Certification as per Dubai Municipality

#### Availability of Testing Facility

2. Timber

### 701.03 Asbestos Containing Materials

#### Applicable Materials & Systems

2. Asbestose Free Materials

## Applicable Standards / Regulations

U.A.E. Federal Ministry Order 42 – 2008  
Dubai Municipality Technical Guideline – 48

## Availability of Testing Facility

### 701.04 Lead or Heavy Metals Containing Materials

## Applicable Materials & Systems

5. Paints
6. Coating
7. Adhesive
8. Sealants

## Applicable Standards / Regulations

Dubai Municipality Standard -20  
Dubai Municipality Regulations

## Availability of Testing Facility

5. Paints
6. Coatings

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	<b>7. Adhesives</b>
	<b>8. Sealants</b>
<b>701.05</b>	<b>Ozone Depletion Potential (ODP) Material Management</b>
	<b>Applicable Materials &amp; Systems</b>
	2. HVAC Equipments with zero Ozone depletion potential (OPD)
	<b>Applicable Standards / Regulations</b>
	OPP and GWP Indices Dubai Municipality Technical Guideline No. 58 Dubai Municipality Circular 108 Montreal Protocol
	<b>Availability of Testing Facility</b>
	<b>2. HVAC Equipments with zero Ozone depletion potential (OPD)</b>
<b>701.06</b>	<b>Recycled Content</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Recycled Materials
	<b>Applicable Standards / Regulations</b>
	Not Applicable
	<b>Availability of Testing Facility</b>

	Not Applicable
<b>701.07</b>	<b>Regional Material</b>
	<b>Applicable Materials &amp; Systems</b>
	2. The Economic Agreement between GCC States Adopted on GCC Council 22 Session on 31 <sup>st</sup> December 2001
	<b>Applicable Standards / Regulations</b>
	Not Applicable
	<b>Availability of Testing Facility</b>
	Not applicable
<b>701.08</b>	<b>Composite Wood Products</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Composite wood free from Urea & Formaldehyde Resin
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Regulations ASTM D 5456 / ASTM D 7032 / ASTM E 1333 / ASTM D 6007 / ASTM D 5582
	<b>Availability of Testing Facility</b>
	<b>2. Composite Wood Free From Urea &amp; Formaldehyde Resin</b>
<b>702</b>	<b>Chapter 2: Waste Management</b>
<b>702.01</b>	<b>Construction and Demolition Waste</b>



	<b>Applicable Materials &amp; Systems</b>
	2. Recycled / Reused Material
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Technical Guideline No. 26
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>702.02</b>	<b>Bulk Waste Collection</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Bulk Waste Collection Area
	<b>Applicable Standards / Regulations</b>
	Not Applicable
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>702.03</b>	<b>Waste Storage</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Recycled and Non-recyclable Storage Area
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Regulations

	<b>Availability of Testing Facility</b>
	Not Applicable
<b>702.04</b>	<b>Waste Collection</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Garbage Area
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Ad. Resolution – 125 – 2001 BS – 1703: 2005
	<b>Availability of Testing Facility</b>
	Not Applicable
<b>702.05</b>	<b>Recyclable Waste Management Facilities</b>
	<b>Applicable Materials &amp; Systems</b>
	2. Recyclable Waste Facility
	<b>Applicable Standards / Regulations</b>
	Dubai Municipality Admin. Resolution – 125 – 2001
	<b>Availability of Testing Facility</b>
	Not Applicable