Technical Catalogue & Specifications
As the world’s leading door opening solutions provider we are dedicated to satisfying end-user needs for security, safety and convenience.

With over 150 companies operating in more than 40 countries, the Group is the strongest global player in the industry with around 46,000 employees and circa €7.3 billion sales worldwide.

Today ASSA ABLOY is the leading global supplier of intelligent lock and security solutions. Its products account for more than one in ten of all lock installations worldwide.

ASSA ABLOY Group is represented in all major regions, on both mature and emerging markets, with leading positions in much of Europe and North America and in Australia.

In the rapidly growing electro-mechanical security sector, the Group has a leading position in fields such as access control, identification technology, automatic doors and hotel security.

ASSA ABLOY’s vision is to be the most innovative supplier of total door opening solutions in order to deliver safe and convenient security solutions that provide real added value to customers.

Using the latest technologies and tried-and-tested techniques we are constantly developing innovative solutions that improve our customers’ lives through greater security, safety and convenience.
The strength of ASSA ABLOY Security Solutions Middle East lies in its brands, which include some of the best-known and most trusted names in the security industry.

In the Middle East, we are promoting a one stop solution for complete project requirements to designers and consultants.

Each of our brands complements the other with its different strengths, allowing us to offer tailored solutions for all our customers and end users within the construction market. Our solutions are designed to withstand the rigours of demanding environments and achieve the highest legislative accreditations.

ASSA ABLOY Security Solutions products include master key systems, security and emergency locks, electric locking products, and supporting architectural hardware such as door furniture, hinges, door closers and escape systems.

As part of ASSA ABLOY’s commitment to easing the specification process, we provide a specification writing service for specifiers and consultants in NBS or CSI format. Working as a trusted partner, our specialists ensure that solutions match client requirements, legislation and budget. With vast experience in all types of door applications, we offer specialist consultancy and support services to make specification quick, easy and applicable to all budget sizes. We offer the benefit of streamlined costs, risk management, rationalization of products and the maintenance of appropriate security levels across the total project.

Our products offer ultimate security in combination with aesthetic appeal for architects and specifiers with a discerning eye for top quality solutions. From security doors and sophisticated access control technology to stylish ironmongery, our ability to mix form and function enables a range of robust and attractive security systems to meet even the most challenging design requirements. Each of our brands has its own unique strengths, enabling us to hand pick solutions for each project.

ASSA ABLOY Security Solutions Middle East office is located in Dubai, UAE. We also have offices in Saudi Arabia, Qatar and Egypt and serve entire Middle East markets.
PROMETAL Metal Industries Factory LLC is a market leader in door technology based in the UAE. We have been established for over 15 years manufacturing metal products growing to be a regional leader in design and manufacture of high quality certified steel door sets.

We provide solutions for acoustic, security, speciality doors, cleanroom doors, glazed screen doors, lead lined doors and windows. PROMETAL doors are widely used in commercial, educational, residential, retail, sports, theme parks, oil & gas industries and healthcare sectors covering the markets of the UAE, GCC, the Gulf region, Asia & Africa, Iraq, and Afghanistan.

Located in Jebel Ali Industrial Zone, with a factory building area of 15,000 square meters and more than 300 dedicated employees, PROMETAL offers a fully coordinated design, scheduling, manufacture, installation and maintenance package.

Our guarantee is to provide technical solutions, on time, to a high quality manufactured according to approved international standards. PROMETAL’s team of professional designers are on hand to develop product solutions to meet our customers expectations in terms of technical specifications and aesthetics. Creative solutions are provided to overcome even the most problematic design schemes.

Our maintained Quality Control Management system alongside FPC (Factory Production Control) surveillance audits performed on a regular basis mean customers buy our products with a feeling of confidence. The latest manufacturing techniques and processes used in our production demonstrate our teams’ continued commitment to provide high quality products to serve our customers.
PROMETAL provides a wide range of fire proof doors available with a variety of configuration and vision panel options, tested according to American Standards (UL) & British Standards (BS) suitable for locations such as staircase, corridor, service rooms or entrances.

Our full range of insulated doors with up to 4 hours fire rating is designed to suit power substations, cold stores, heat transfers applications and other similar locations.
These fire rated doors provide safety and security to public areas from retail to industrial premises as well as parking lots.

Screens are designed to satisfy fire protection, security considerations and protect against the influences of weathering. They satisfy the most stringent requirements for technical functionality and extreme continuous stresses.

<table>
<thead>
<tr>
<th>Single / Double</th>
<th>Shutter thickness</th>
<th>Products Covered Max. Size (W x H) in mm</th>
<th>Core Material</th>
<th>Fire Rating</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Max. Rating</td>
</tr>
<tr>
<td>Double 46</td>
<td></td>
<td>Leaf size for Single door: 933 x 2360. Leaf size for Double door: 2122 x 2360</td>
<td>Honey Comb</td>
<td>3 Hrs</td>
</tr>
<tr>
<td>Single 45</td>
<td></td>
<td>Frame: 885 x 2200</td>
<td>Honey comb</td>
<td>4 Hrs</td>
</tr>
<tr>
<td>Single 45</td>
<td></td>
<td>Frame: 888 x 2200</td>
<td>Rockwool</td>
<td>1 Hr</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Double 46</td>
<td></td>
<td>Frame: 2250 x 2995</td>
<td>Rock Wool</td>
<td>2 Hrs</td>
</tr>
<tr>
<td>Single 46</td>
<td></td>
<td>Frame: 1176 x 2400</td>
<td>Honeycomb</td>
<td>2 Hrs</td>
</tr>
<tr>
<td>Single 46</td>
<td></td>
<td>Frame: 1176 x 2400</td>
<td>(PIR) Foam</td>
<td>2 Hrs</td>
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<tr>
<td>Double 46</td>
<td></td>
<td>Frame: 2300 x 3000</td>
<td>Honeycomb</td>
<td>161 mins</td>
</tr>
<tr>
<td>Double 50</td>
<td></td>
<td>Leaf: 1050 x 2195</td>
<td>Honeycomb</td>
<td>151 mins</td>
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</table>

<table>
<thead>
<tr>
<th>Single/ Double</th>
<th>Shutter thickness</th>
<th>Products Covered Max. Size (W x H) in mm</th>
<th>Core Material</th>
<th>Fire Rating</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rock Wool+Gypsum Composite Panel</td>
<td>Max. Rating</td>
</tr>
<tr>
<td>Double 100</td>
<td></td>
<td>Overall Dimension: 3000 x 3000</td>
<td>Rock Wool+Gypsum Composite Panel</td>
<td>240 mins</td>
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</tbody>
</table>
Acoustic Doors

A complete range of single and double door sets is available to suit performance requirements up to STC 50 dB and 120 min fire integrity. Ideal applications include cinemas, studios, mechanical rooms, generator rooms and other sound polluted rooms.

All details shown are typical only and our Technical Support Group will be pleased to recommend an individual design application.

<table>
<thead>
<tr>
<th>Test Laboratory</th>
<th>Test/Relevant standard</th>
<th>Test Report reference</th>
<th>Shutter thickness</th>
<th>Size (W X H) in mm</th>
<th>Core Material</th>
<th>Max. Rating</th>
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<td>Intertek</td>
<td>ASTM E90</td>
<td>AU09074014-1</td>
<td>45</td>
<td>Frame 914 x 2133</td>
<td>Honeycomb</td>
<td>STC 35</td>
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<td>ASTM E90</td>
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<td>Rock Wool</td>
<td>STC 37</td>
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<td>ASTM E90</td>
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<td>Rock Wool</td>
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<td>ASTM E90</td>
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<td>Rock Wool</td>
<td>STC 40</td>
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<tr>
<td>Water Tightness</td>
<td>(BS 6375-1: Part 1)</td>
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<td>45</td>
<td>Frame 914 x 2133</td>
<td>Honeycomb</td>
<td>Class 3A, 100pa</td>
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<tr>
<td>Air Permeability</td>
<td>(BS 5368: Part 1)</td>
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<td>45</td>
<td>Frame 914 x 2133</td>
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<tr>
<td>Bodycote - Al Futtaim</td>
<td>STC Calculated</td>
<td>WQ0803500</td>
<td>80</td>
<td>Leaf 828 x 1958</td>
<td>Rock Wool + Calcium Silicate</td>
<td>STC 45</td>
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<td>According to BS EN ISO 717 Part 1 and tested as per BS EN ISO 140 Part 3</td>
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<tr>
<td>Kilargo Acoustic Lab</td>
<td>STC Calculated</td>
<td>25092013/CT/01</td>
<td>56</td>
<td>Frame 1000 x 2200</td>
<td>Rock Wool</td>
<td>STC 47</td>
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<td></td>
<td>According to ASTM E413 and tested as per ISO 10140</td>
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<tr>
<td>Kilargo Acoustic Lab</td>
<td>STC Calculated</td>
<td>25092013/CT/02</td>
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<td>Frame 1000 x 2200</td>
<td>Rock Wool</td>
<td>STC 49</td>
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<td>According to ASTM E413 and tested as per ISO 10140</td>
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</tbody>
</table>

Summary Of Acoustic / Air Permeability / Water Tightness Tested Doors
PROMETAL offers a full range of security cell grills for police stations, designed to meet the international standard requirements for detention products.

Our complete range of bullet resistant products are readily available and can be furnished with factory installed bullet resistant glazing.

<table>
<thead>
<tr>
<th>Report Title</th>
<th>Relevant standard</th>
<th>Classification</th>
<th>Design Analysis &amp; Calculation Report reference</th>
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<tr>
<td>Structural Analysis of Detention Doors</td>
<td>ASTM F 1450-05 and F 1592-1</td>
<td>Grade 3</td>
<td>TWE-J12013-01 Rev0</td>
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<tr>
<td>Structural Analysis of Ballistic Doors</td>
<td>Conforming to European Ballistic Standards,EN1522/1523 &amp;UL752</td>
<td>Level 1</td>
<td>EME-J12075-Rev-3a</td>
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<tr>
<td>Structural Analysis of Burglar/Vandal Resistance Door</td>
<td>Conforming to DIN EN 1627-2011</td>
<td>RCS &amp; RC6</td>
<td>EME-J12076- Rev A1</td>
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<table>
<thead>
<tr>
<th>Report Title</th>
<th>Relevant standard</th>
<th>Blast Pressure Rating</th>
<th>Design Analysis &amp; Calculation Report reference</th>
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<tr>
<td>Blast Design Analysis &amp; Calculation Of Lhr/Rhr Single Doors</td>
<td>The analysis and design was carried out according to ASCE</td>
<td>0.25 bar</td>
<td>ODD162-ST-RPT-02</td>
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<tr>
<td>Blast Design Analysis &amp; Calculation Of Double Doors (Seated Case Doors)</td>
<td>The analysis and design was carried out according to ASCE</td>
<td>0.25 bar</td>
<td>ODD162-ST-RPT-004</td>
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<td>Blast Analysis Of Single Doors For A Blast Overpressure Of 0.41 Bar</td>
<td>The analysis and design was carried out according to ASCE</td>
<td>0.41 bar</td>
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<tr>
<td>Blast Analysis Of Double Doors For A Blast Overpressure Of 0.41 Bar</td>
<td>The analysis and design was carried out according to ASCE</td>
<td>0.41 bar</td>
<td>ODD162-ST-RPT-08</td>
</tr>
</tbody>
</table>
Typical Door Leaf Types/Details

Leaf Section

Double leaf-flush design  Double astragal detail  Round vision panel  Square vision panel

Louver - V shape  Louver - Z shape

Door Configurations
Frame Elevation Section / Fixing

Frame Construction

- Welded corner
- Knock down
- Butt bolted - Fixed - Removable

Frame Section

- Integral Wiper Seal
- Profile with Integral Seal
- Profile with Simple Plaster Groove
- Profile for reinforced Plaster Groove
- Profile for standard Plaster Groove
- Head profile for double swing door
- Cill inward operation
- Cill outward operation

Frame Fixing

- Side fixing
- T-Anchor
- Back plate - rubber plug
- Soffit fix with countersunk bolt
A choice of hardware solutions are available as standard for our doors from ASSA ABLOY Security Solutions Middle east.

Our product offering includes cylinders, security and emergency locks, electric locking products, intelligent asset management systems, access control solutions, automatic operators, architectural glass hardware and supporting architectural hardware such as door furniture, hinges, sliding hardware door closers and escape systems.

**Lever Handles**

![Lever Handles](image)

**Hinge**

![Hinge](image)

**Cylinder**

![Cylinder](image)

**Door Stop**

![Door Stop](image)

**Sliding Hardware**

![Sliding Hardware](image)

**Handle on Plate**

![Handle on Plate](image)

**Single Pull Handle**

![Single Pull Handle](image)

**Back to Back Pull Handle**

![Back to Back Pull Handle](image)

**Electromagnetic Lock**

![Electromagnetic Lock](image)
Standard Hardware Options

- Narrow Lock
- Mortice Lock
- Electronic Lock
- Detention Lock

- Code Handle
- Access Control
- Electric Strike
- Electronic Cylinder & Key

- Panic Exit Device - Push Bar
- Panic Exit Device - Touch Bar

- Over Head Door Closer
- Security Door Closer
- Concealed Door Closer
Material and Finishes

Material:
- Galvanized steel
- Mild steel
- Stainless steel grade 304
- Stainless steel grade 316

Finish performance:
- Increased corrosion resistance
- Marine grade

Steel finishes:
- Epoxy powder primed finish
- Polyester powder coated Finish
- Decoral painting system
- Wet paint (spray paint)
- Color: a wide selection of standard RAL colors available.

Stainless steel finishes:
- Mirror polish finish
- Brush satin finish

Note: Other finishes can be offered upon request.
ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

PROMETAL manufactures high quality certified security and safety doors including fire rated doors, detention doors, bullet proof doors, blast proof doors, watertight doors, thermally resistant doors and grill doors.

LOCKWOOD is part of ASSA ABLOY, the global leader in door opening solutions. LOCKWOOD is a leader in wood manufacturing of fire rated doors, residential doors, windows and joinery works.

ASSA ABLOY Security Solutions
PROMETAL Metal Industries
P.O. Box 37765
Jebel Ali Industrial Area 1
Dubai
United Arab Emirates
Tel.: +971 (0) 4 8804888
Fax: +971 (0) 4 8804884
Email: ae.prometal@assabloy.com
www.middleeast.assaabloy.com/doors