Barbican - Substation Doors

Designed for remote sites where ventilation is required and vandalism is anticipated, typically used on plant rooms, storage rooms and substations.

They come in a wide variety of sizes including an extra large bi-parting door up to 3000mm wide x 2500mm high as well as removable transomes, which allow access for large machinery. They are designed to accept a wide range of hardware including customers own and provide a stronger and more cost effective alternative to wooden doors with louvred section in-fills.

- **Air flow**
  Ventilation is provided by punched louvres on the outer skin of the door (60mm wide protrude 5mm) and slots on the inner skin. Available solid, half or fully louvred.

- **Cost effective**
  A more cost effective alternative to wooden doors, which are commonly used on plant and substations.

- **Anti-vandal**
  An anti-jemmy strip and high security solid steel dog bolts provide protection for the locking system and deter against unauthorised access as well as optional locking bar to protect external locking.

- **Easy installation**
  Lightweight construction and lift off hinges provide for easier installation (manufactured to comply with lifting regulations).

- **Easy access for large machinery**
  The option of a removable top sill/transom and panel provide greater access for plant machinery. An extra wide bi-parting door is also available.

- **Vermin protection**
  Small louvred slots on the front and slots on the back of the door, prevent the entry of small animals.

- **Anti-corrosive construction**
  A non-welded construction, made from Zintec steel with stainless steel hinges and a hardwearing polyester powder paint finish, make this door less prone to rust and an all-round durable solution.

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Web Info Sheet / Substation Doors 1 of 3  
Issue 1/05

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Construction

<table>
<thead>
<tr>
<th>PART</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Leaf</td>
<td>1.2mm Zintec steel</td>
</tr>
<tr>
<td>Frame</td>
<td>2.0mm Zintec steel</td>
</tr>
<tr>
<td>Bottom Sill</td>
<td>2.0mm Zintec steel OR 1.6mm Stainless steel</td>
</tr>
<tr>
<td></td>
<td>(this option comes unpainted)</td>
</tr>
<tr>
<td>Hinges</td>
<td>3-4 lift off stainless steel hinges per leaf</td>
</tr>
<tr>
<td>Anti-Jemmy Strip</td>
<td>Integrated into the leading edge of the active door.</td>
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</tbody>
</table>

Both the frame and door are constructed without welding to maintain anti-corrosion properties, and are joined with high security fixings. Bradbury recommends outward opening doors for greater security.

For a greater selection of options please see our Made to Measure range of Barbican doors. For high security louvred doors please see the Fortress 2 Doors.

Frame Profiles

A four sided frame accompanies all Barbican Substation doors. They are reinforced in the corners and secured to the wall cavity through pre-punched fixing holes which are concealed from view.

To accommodate different installation requirements the frames are available as either 100mm or 150mm deep as standard.

(There have been occasions on internal opening doors that a skirting board or dado rail may obstruct the opening and interfere with the anti-jemmy strip, spacers can be supplied to overcome this, please ask for details.)
Thresholds/Sills

The bottom sills are available in the following four profiles. Frames are also available without a bottom sill.

**Standard Profile**
- T 14mm

**Low Profile**
- T 6mm

**Sloped Profile**
- T 10mm

**High Profile**
- T 25mm

*This is medium profile*
*The Low Profile is ideal for trolley and wheelchair access.*
*The Sloped Profile is recommended for internal opening doors.*

Hardware

Substation doors have a wide selection of hardware options and accessories. They will also accept customers own hardware if required.

Finishes

All doors are made from Zintec as standard and are finished with either a primer or polyester powder coating. There are 17 Bradbury Stock colours to choose from, as well as a range of other RAL and BS colours, which are available upon request.

For further information on this product please call our sales team on 01724 271999 for details.