SOLEAL without thermal break
THE UNIVERSAL DOOR
SOLEAL 55 mm door
WITHOUT THERMAL BREAK

/ THE UNIVERSAL DOOR

ELEGANT AND SLEEK

SOLEAL 55 mm door is a range of single-action doors on hinges without thermal break and with a 55 mm module, perfect for all construction types, whether for offices or private residences.

The SOLEAL door without thermal break is available as an open-in or open-out product, with 1 or 2 leaves and enables the production of joinery assemblies.

As access is one of the main focuses, the SOLEAL door offers a wide choice of PRM thresholds both for buildings and residences.
SOLEAL 55 mm door
WITHOUT THERMAL BREAK
/ UNIVERSAL DOOR

KEY INNOVATIONS AND FEATURES

DESIGN
- Square door handle - exclusive TECHNAL design
- Drainage concealed in plinth, lower and intermediated transom
- Clamp hinge thinness: 20 mm sight line for 2-part and 3-part hinges

MULTIPLE APPLICATIONS
- Single-action door on hinges.
- 1 and 2 leaves.
- Open-in and open-out
- PRM threshold

LARGE DIMENSIONS
- Up to 2,400 x 1,200 mm - 1-leaf single-action door.
- Maximum weight: 150 kg/leaf.
- Glass thickness capacity: 4 to 42 mm.

LOCKING MECHANISM
- Wide choice of locks.
- Wide choice of locking systems: TECHNAL exclusive-design handle with stainless steel handle, TECHNAL exclusive-design square door handle, pushbars.

PRODUCTION AND INSTALLATION
- Same installation and hardware environment as the SOLEAL thermal break range.

ACCESSIBILITY
- Specially adapted for easy PRM thresholds on all available applications.
- Surface-mounted door closer: door blocks at 90°.
- Residential and building threshold.
ACCESSIBILITY

The SOLEAL door without thermal break complies with PRM threshold regulations with heights of 15 to 20 mm while maintaining sealing performance.

SECURITY / A COMPREHENSIVE OFFER

BASE LOCKS
- Fixed frame ½ turn bolt lock.
- Roller lock and fixed frame bolt.
- 2-point cylinder lock.
- 2-point lock connector lock

MULTI-POINT LOCKS
This offer allows you to add additional lock points as required, lateral swivel bolt or vertical bolt for very high doors (> 2.25 m high).

ELECTROMAGNETIC LOCK
For the single-action version (1 or 2 leaves), connected to an access control system, the electromagnetic lock is used for locking the door. The profile that contains the lock is also used as a pull handle at the top of the door.
SOLEAL 55 DOOR
/SINGLE-ACTION ON HINGES

SINGLE-ACTION DOOR WITH PLINTH

COMPOSITE ASSEMBLY
OVERLAPPING

INTEGRATION
SOLEAL 55 DOOR
/ BESPOKE DESIGN

A WIDE CHOICE OF LOCKING SYSTEMS

- Exclusive TECHNAL design handle with lock
- Stainless steel handle with lock
- Square door handle - exclusive TECHNAL design
- Triple lobe pushbar
- Offset triple lobe pushbar
- Stainless steel pushbar

DISCREET ELEMENTS

- Attractive hinges
- Electromagnetic lock
APPLICATIONS

All of these applications are available with concealed drainage on fixed frame and transom.

REPRESENTATIONS VIEWED FROM THE EXTERIOR

INSIDE AND OUTSIDE SINGLE-ACTION

1 leaf - 2 leaves, open-out

1 leaf - 2 leaves, open-in

COMPOSITION

1 leaf - 2 leaves

1 leaf - 2 leaves

SOLEAL 55 DOOR

/ PERFORMANCE

<table>
<thead>
<tr>
<th>Frame Description</th>
<th>Dimensions (Height x Width)</th>
<th>Air permeability</th>
<th>Watertightness</th>
<th>Wind resistance</th>
<th>Test report no.</th>
<th>Q100</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-leaf open-out door on hinges with plinth and building threshold</td>
<td>2.4 x 1.1</td>
<td>Class 2</td>
<td>Class 2A</td>
<td>Class C3</td>
<td>BR11.7.2012-1</td>
<td>-</td>
</tr>
<tr>
<td>Open-out door on hinges with PRM threshold and corners</td>
<td>2.4 x 1.1</td>
<td>Class 3</td>
<td>Class 7A</td>
<td>Class C3</td>
<td>404/12/202-1</td>
<td>2.99</td>
</tr>
<tr>
<td>Open-out door on hinges with PRM threshold</td>
<td>2.4 x 1.1</td>
<td>Class 4</td>
<td>Class 6A</td>
<td>Class C3</td>
<td>404/12/202-2</td>
<td>2.16</td>
</tr>
<tr>
<td>Open-in door on hinges with PRM threshold and corners</td>
<td>2.2 x 1.0</td>
<td>Class 3</td>
<td>Class 4B</td>
<td>Class C3</td>
<td>404/12/202-3</td>
<td>3.37</td>
</tr>
<tr>
<td>Open-in door on hinges with PRM threshold</td>
<td>2.2 x 1.0</td>
<td>Class 3</td>
<td>Class 3B</td>
<td>Class C3</td>
<td>404/12/202-4</td>
<td>3.28</td>
</tr>
<tr>
<td>2-leaf open-out door on hinges with PRM threshold</td>
<td>2.5 x 2.0</td>
<td>Class 3</td>
<td>Class 3A</td>
<td>Class B2</td>
<td>404/12/324-1</td>
<td>7.33</td>
</tr>
<tr>
<td>1-leaf open-out door on hinges with PRM threshold</td>
<td>2.4 x 1.1</td>
<td>Class 4</td>
<td>Class 7A</td>
<td>Class C3</td>
<td>404/12/324-2</td>
<td>1.56</td>
</tr>
<tr>
<td>1-leaf open-in door with peripheral opening sash and residential threshold</td>
<td>2.4 x 1.1</td>
<td>Class 3</td>
<td>Class 7A</td>
<td>Class C3</td>
<td>R140702</td>
<td>3.86</td>
</tr>
</tbody>
</table>

These results come from tests conducted on frame thermal break with the same external geometry as SOLEAL PY 55 without thermal break.
MATERIALS AND COMPONENTS
As with all TECHNAL systems, only high-quality materials and components are used to reduce maintenance and guarantee long-term performance.
- Aluminum profile sections are extruded using building industry 6060 alloys meeting EN 12020, EN 573-1, EN 515 and EN 775-1 to 9.
- Accessories are cast using Zamak 5 meeting EN 12844.
- All seals are EPDM or TPE (ThermoPlastic Elastomer).
- Polyamide insulators are extruded using PA6-6 (0.25 FV).
- Screws are made of stainless steel.

FINISHES AND COLOURS
A wide range of finishes is available to meet the requirements of individual projects, to enhance existing buildings and to offer increased design choice to architects and designers:
- Polyester coated finishes in an extensive range of colours, in compliance with QUALICODAT instructions.
- SOLEAL is also available in painted finishes in exclusive TECHNAL colors for a stylish and contemporary appearance.