Installation manual
QC100 Horizontal
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1. COMPONENTS

<table>
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<th>Description</th>
<th>Article code</th>
<th>Image</th>
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<tbody>
<tr>
<td>QC100 panel</td>
<td>C4020000000</td>
<td></td>
</tr>
<tr>
<td>Clamp profile</td>
<td>C7806200000</td>
<td></td>
</tr>
<tr>
<td>Cover profile</td>
<td>C7806500000</td>
<td></td>
</tr>
<tr>
<td>Hex washer head self tapping screw DIN 7504k Stainless steel A2 ST5, 3/16”x1”</td>
<td>C7933500000</td>
<td></td>
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</tbody>
</table>

1.1. Panel indicators.

- Panel information
- Indicator of top side
- Paint direction

Front side panel

Back side panel
2. MOUNTING STAGES

2.1. Determine the module lines

The first step is to trace the module lines on the building wall.

For the QC100 system, the module lines are defined as an offset from the edge of the front skin with 1/2\". Thus, the vertical and horizontal joints are 1\" wide.

2.2. Place the first panel.

2.2.1. Position the panel

The QC100 system in horizontal orientation is recommended to be mounted from the upper panels to the lower ones.

Place the first panel and hold it symmetrically between the module lines.
2.2.2. Place the fixing profile

The fixing profile should be shorter than the length of the panel and should be placed symmetrically within the sides of the panel (in this example 1 1/4” left and right). In order to place it, this extrusion is provided with a round hole and one or more slotted holes for thermal expansion.

The self tapping screws coincide with the module line.

2.2.3. Creating a fixing point.

After placing the fixing profile, the panel can still slide horizontally. We can fix this movement by placing a self-tapping screw in the flange of the panel, near a corner. Applying this fixing point for each panel in the same (equivalent) point will ensure also that, in case of thermal expansion, all panels will move in the same direction.
2.2.4. Place the cover profile.

The cover profile has generally the same length as the panel. It will be clicked into the fixing profile.

2.3. Place the second panel.

Place and hold the panel between the module lines.

For securing the panel, follow the steps described by the first panel.
2.4. Place the third panel.

For securing the panel, follow the steps described by the first panel.

2.5. Place the fourth panel.

Place and hold the panel between the module lines.

Place the fixing profile and the cover profile as previously described.

The fixing profile is clamping both adjacent panels.
2.6. Place the fifth panel.

The placement of the fifth panel undergoes the same stages previous described.

2.7. Place the sixth panel.

For a panel with this kind of position in the geometry of the facade, the installation stages are the same to those of the previous panels, plus an extra step: securing the panel at the bottom side - as this is the lowest panel in his column.
2.8. Place the last row panels.

As these panels are the lowest in their column, the principle of mounting described in the previous step (sixth panel) is applicable.

2.9. Fill the vertical joints with a fixing/cover profile combination.

Place the fixing profile in the vertical joint. Secure the fixing profile by means of the self tapping screws. Then install the cover profile.

The combination fixing-cover profile in the vertical joints have not only an aesthetic value, it restricts also the possible horizontal sliding of the panels.

Note that since the vertical fixing/cover profiles are non-structural, the fixing profile is not required to be continuous.