Technical data

Shower deck (shower tray)

Complete waterproofing system for built-in showers. A new style of shower tray for more exclusive bathrooms. This system includes a totally flat shower base where the water drains out between the tiles. This means that the water outlet is hidden from view, so a wooden flooring effect can be achieved but with the benefits of ceramic tiles.

The prefabricated shower tray has been designed to sit underneath ceramic tiles that are not fixed permanently. The ceramic tiles are fixed to guides that sit atop the shower tray, hiding the outlet and allowing the water to filter out between the tiles.

Especially designed for bathroom refurbishments. Professional use.

Recommended applications

Waterproofing built-in showers finished in:
- Ceramic tiles such as PAR-KER from the PORCELANOSA Group.
- Ceramic tiles such as STON-KER from the PORCELANOSA Group.
- Ceramic tiles such as URBATEK from the PORCELANOSA Group.

Characteristics

- Prefabricated, rigid polyurethane, coated with thermally stable polymers.
  Upper finish Embossed, impermeable surface. Colour black.
  1. Smooth base inclined toward the drain at 3.5%
  2. Supports for the ceramic tiles.
  Lower finish Polystyrene in kite tail pattern.
  Maximum tray thickness: 30 mm
  Minimum system height: 102 mm
- Includes drain with 40mm diameter horizontal outlet.
- Discharge rate 0.50 l/s.
  Drain trap included.
  No grill required.
- Tiles are mounted directly onto the tray without adhesive.
- Water exits via gaps between the tiles. Minimum gap: 3 mm.
- Excellent chemical resistance and totally watertight.
- Good compression resistance.
- Good heat resistance.
- Quick, easy installation.
Components

- Prefabricated shower tray.
- PVC horizontal 40mm outlet.
- Rubber outlet gasket.
- Threaded outlet connector. Drainage trap.
- Two PVC lateral guides for base tiles.
- Metal hook for lifting the base tiles.
- A sheet of 10 kg/m³ expanded polystyrene to protect the tray during installation.
- Ceramic tiles not included.
- p-404 polyurethane filler not included.

Installation guide

1. Connecting the outlet to the drain.
Checking the location of the shower tray and connecting the outlet.

2. Testing the seal between outlet and drain.
Check the integrity of the connections by pouring water into the outlet. Fill the supporting base with mortar to level with the top of the outlet.

3. Sealing the substrate.
Waterproof the entire area. Imperband waterproofing laminate is recommended. Take the waterproofing to at least 15 cm below the shower tray.

4. Placing the shower tray.
Apply a coat of C2 FT S1, super-one n, with a notched trowel and locate the shower tray such that central hole lines up with the outlet. Apply pressure until the adhesive fills the kite tail pattern cavities under the tray.
Installation guide

5. Connection between tray and outlet.
Connect the outlet to the tray using the part provided and check that the rubber seal sits correctly. It is advisable to apply polyurethane sealant around the threaded part.

6. Sealing the shower tray.
Apply a bead of polyurethane sealant all around the perimeter of the tray. Make sure there are no gaps between the tray and the sealed walls and floor.

7. Shower tray protective cover.
Once the tray is installed, cover it with the protective sheet provided.

8. Assessment of the base tiles.
Once everything is in place around the tray, think about the placement of the base tiles, allowing for a 3mm gap all around and in between the tiles. Cut the tiles accordingly with the correct tool.

Lay the PVC lateral guides in place along the tray, cutting them as per the previous assessment. Stick the tiles to the lateral guides with a bead of polyurethane cement. Use of levelling spacers is recommended.

10. Final sealing of the tray.
Once the tiles are fixed to the guides, clear the shower area and apply a bead of polyurethane sealant to the entire perimeter to form the contact line between tiles and tray.
Warnings

- The only recommended fixing method for the shower tray is applying a fine coat with notched trowel. Do not spot bond.
- For installing this type of shower tray, use an 8 x 8 or 10 x 10 cm notched trowel.
- The only recommended adhesives are C2 FT S1 according to EN 12004.
- Pay scrupulous attention to instructions for preparation and application of polyurethane adhesives and fillers.
- Workability will vary according to conditions such as wind, humidity and temperature. So workability times given here are approximate and will be affected by conditions on site.

- All walls and flooring in contact with the shower tray must be waterproofed. Imperband waterproofing laminate is recommended.
- Do not use in exterior terraces.
- Do not apply on substrates subject to shock.

- Before choosing the base tiles, refer to current regulations in relation to anti-slip requirements.
- Once the installation is finished, store a few matching tiles in case of later breakage.
- The tiles should be periodically lifted and the shower tray cleaned. The trap should also be inspected.
- In this style of shower, the ceramic tiles are completely level, so there will always be a certain amount of surface water after use. So it is advisable to dry it with a towel or a mop.

- For more information on this product, refer to butech's technical department.

Notes regarding technical documentation

- This data sheet does not refer to a finished product. This is a prefabricated product that forms part of a suite that make up a ceramic installation. The instructions herein are a result of our own experience and technical knowledge and should be considered general recommendations which, along with those for all other products, are designed to help orient professionals in their work.
- Conditions on site can not be predicted, so it must be the responsibility of the professional to assess the suitability of the product for the job in hand.
- This document can not take into account every possible variable, so in the case of a situation not described here, advice should be sought from our technical department and a discrete test should be carried out.
- This data sheet has been updated in June of 2016.
# Technical characteristics

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<thead>
<tr>
<th>Characteristic / drain</th>
<th>Test method</th>
<th>Unit</th>
<th>Value</th>
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<tbody>
<tr>
<td>Exit</td>
<td></td>
<td>mm</td>
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<td>Exit diameter</td>
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<td>Discharge rate</td>
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<table>
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<tr>
<th>Property</th>
<th>Regulation</th>
<th>Unit</th>
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<tr>
<td>Density</td>
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<td>Thermal conductivity at 10ºC</td>
<td>EN 12667</td>
<td>W/mK</td>
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<td>Weight</td>
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Density tolerance is ± 10 %.

All values based on parallel test direction.

Thermal conductivity values are in line with regulation EN 12667 over 6 weeks at 10ºC average temperature.

### Dimensions

![Diagram](image-url)
**Shower deck system (shower tray)**

### Dimensions

![Diagram of shower deck system]

- **Shower tray slope**: 3.5%

### References

<table>
<thead>
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<th>SAP</th>
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