Concept XPS standard shower tray

Comprehensive waterproofing system for built-in showers.

The Concept XPS shower tray is a prefabricated system for built-in shower trays. They include the slopes for the correct water drainage, as well as the drain and the waterproofing system. This system is supplied ready to use, which reduces working times while guarantees a perfect substrate for laying mosaic, natural stone or ceramics.

The Concept XPS shower tray is light, resistant and safe, reason why it is specially recommended in bathroom refurbishing jobs. It includes the imperband standard kit as a drain and waterproofing system, but it does not include the decorative grating, so you can choose among a wide range of sizes, shapes and finishes.

Recommended use

- Waterproofing built-in showers finished in:
  - Glass mosaic.
  - Ceramic tile.
  - Natural stone.

Characteristics

- Prefabricated shower tray made of extruded polystyrene, and covered with cement mortar.
- It includes the standard imperband kit as a waterproofing system, and an adjustment disk.
- Available for square as well as for linear drains.
- Maximum tray thickness: 40 mm.
- Minimum height of the system: 95 mm
- 50 mm diameter horizontal outlet.
- Discharge speed: 0.60 l/s.
- Includes u-bend.

- Compression resistance (10% crush risk): DIN53421 0.3 N / mm²
- Initial thermal conductivity: DIN 52612 0.027 W/m ° K
- Flammability: DIN 4102 B1
- Maximum security, it eliminates leakage risks between waterproof sheet and drainpiece.
- Direct installation of the tile on the waterproof sheet.
- Good chemical resistance, lasting waterproofing sheet.
- Quick and easy application.
- Wide range of stainless steel gratings.

Components

- PVC gutter, thermowelded to a 150 x 225 cm waterproof sheet. The gutter is served integrated into an adjustment disk.
- Drain outlet cover.
- 40 mm Drain adaptor.
- U-bend.
- Concept XPS refurbishment shower tray in two parts.
**Complements**

**Square gratings**
10. x 10 cm Stainless steel grating. Available finishes:
- Standard squared
- Standard sun

**Linear gratings**
59.6 x 9.3, 80 x 9.3, and 120 x 9.3 cm Stainless steel gratings. Available finishes:
- Chrome texture
- Texture
- Squared
- Line
- White
- Ceramic

**Preparing the substrate.**
The substrate or laying base must be dimensionally stable and non-deformable, without risk of cracking and shrinkage due to mortar setting.

The cement-based substrates must present the following characteristics:

- Residual humidity under 3%.
- Clean of dust, grease, or any other substance that may compromise the bonding material adherence.
- Compact and free of cracks, fully set.
- Rough texture, efflorescence-free.
- Level and flat, deviations under 3 mm. every 2 m of surface.

In the case that any of the defects listed above are present, they must be fully corrected before starting to lay the shower tray.

**Installation Guide**

This prefabricated shower tray has been developed for placing in a thin layer with adhesive and a notched trowel. Type C2 adhesives are recommended in accordance with EN 12004. **butech** recommends using fr-one n or one flex n

1. **Connection of the imperband kit to the drain pipe.**

   Depending on the drainage pipe position, select one of the system outlets and seal the other outlet with the cap provided to that effect. Given the case, use the drain outlet diameter adapter and glue the drainage pipe.

2. **Testing the drain water tightness.**

   Pour water through the drain and check that the gutter works correctly. Protect the drain to prevent debris from falling in it.
3. Installing the Concept XPS shower tray.

Fill the shower tray base with cement mortar to the level of the Concept XPS shower tray, fit the two parts of the tray without leaving a joint, on the adjustment disk of the drain. Verify that the drain top plus the grating is at the desired level. There are 50 mm thick polystyrene parts for replacing the cement mortar screed.

5. Gluing the waterproof sheet.

Cut the waterproofing sheet based on the shower tray, leaving enough sheet to cover 10 cm on all walls; unfold the waterproof sheet and press it onto the fresh adhesive, making sure no air pockets are formed.

6. Waterproofing the shower tray angles.

In the corners, fold the sheet so that it covers the entire joint between wall and shower. In case the waterproofing needs to be extended both on the wall and on the floor, overlap with at least 5 cm imperband indoor waterproof sheet.

7. Placing the grating frame.

Place the grating frame into the drain hole and stick with the p-404 polyurethane putty. It is not necessary to seal the joint between the frame and the drain. Place the u-bend.

8. Laying the covering material.

Once the grating frame is in place, spread a layer of type C2 as per EN 12004 cement-based adhesive with a suitable size notched trowel, starting from the grating frame. Lay the chosen covering.

9. Installing the decorative grating.

Once the shower tray has been covered, seal the joint between the frame and covering with p-404 elastic putty and place the decorative grating. Finally, seal the tile joints with a waterproof material.

In the case of linear gratings with ceramic finish, cut ceramics with water-cooled electric cutting machine, polishing the edges with abrasive block, and paste with p-404, polyurethane putty.
Concept XPS shower tray + standard imperband kit

Dimensions

Measures in mm.

References

Consult butech’s 2018 concept professional xps catalog.