

weber.sys 833

Lightweight tilebacker for flush-floor showers

Ready-to-use element for shower with flush floor

Fields of application

Shower flush-floors were in the past dedicated to bathrooms for disabled persons; nowadays they are “fashion”. Thanks to all fittings like the slope and the factory-drilled borehole for run-off the boards weber.sys 833 allow a quick installation of flush-floor showers. They can be installed on an existing screed with a recess or prior to casting of the new screed.

Under time constraints like for all renovation works it is particularly important to start waterproofing and tiling works after a few hours.

weber.sys 833 is available in 3 standard sizes, but can be ordered in every required geometry upon request and with different run-off designs.

The run-offs can be adjusted to different tile thicknesses. It is delivered with complete range of fittings (horizontal or vertical water run-offs, stainless steel grate etc.).

Description

weber.sys 833 is a shower basin element which can be covered with ceramic tiles.

Composition

Extruded hard polystyrene with mineral coating on both sides, reinforced with fiberglass fabric

Main features

- for new buildings and renovation
- water impermeable and impervious to moisture
- rot-proof
- convenient for wheel chairs
- heat insulating
- can be directly covered with ceramic tiles without primer
- can be used in combination with waterproofing systems under tiles for ex. weber.tec Superflex D 2 or xerm 844
- run-offs fulfill the norm EN 12453 with flow performance of at least 0.8 liter/second

Technical values

Thickness:	40 mm
Thermal conductivity:	0.04 W/mK
Reaction to fire:	class B 1 (DIN 4102)
Temperature resistance:	up to +80°C
Water vapour diffusion resistance (μ):	approx. 80
Compressive strength:	approx. 0.25 N/mm ²

Quality control

weber.sys 833 is subject to a regular quality control by self-monitoring.

General notes

- Ceramic tiles must be fixed hollow-free, by application of adhesive on substrate and on back-side of tiles (buttering-floating method).
 - In case of use with wheel chairs for disabled persons, the tile size must be at least 50 x 50 mm.
-

Special notes

- Follow the national fire instructions when used in hotels or in public rooms.
 - Once the screed is installed, fit the run-off and the pipes to the existing pipe systems.
 - Verify the watertightness of all pipes in consultation with the plumber.
 - During assembly care must be taken to ensure floor sound insulation; if necessary, the run-off and pipes must be sheathed with appropriate material.
 - Damage can occur through the effects of solvent-containing materials, such as acetone or xylene.
-

Substrate preparation

- The substrate must be sufficiently load-bearing, clean, dry, frost-free, dimensionally stable and free from adhesion-impairing substances.
 - Remove loose or flaking mortar and paint residues carefully.
 - The substrate preparation must be adapted to the specific job site conditions.
-

Working instructions

Requisite accessories

Following materials are required for installation of one element weber.sys 833:

- 1 shower tray element
- 1 vertical run-off weber.sys 833 AB S or 1 horizontal run-off weber.sys 833 AB W
- 1 stainless steel grate weber.sys 833 ER in the sizes 100 x 100 mm or 150 x 50 mm
- approx. 18 kg/m² of the screed mortar weber.plan 816 in case of insufficient screed height
- approx. 3.5 kg/m² of the flexible cement-based tile adhesive weber.xerm 852 for bonding the shower basin element on the substrate.
- approx. 2 kg/m² of flow-grade cement-based grout weber.rep 767 for fixing floor run-off or drilled borehole
- rubber drops for closing the openings for the grout.

Installation of shower basin tray element

- For the installation of the shower tray element a minimum depth of 43 mm (height of shower tray element itself: 40 mm and height of adhesive bed: 3 mm) under upper side of concrete floor is required. If necessary, create this depth by excavating a recess when casting the ceiling concrete. Necessary recess height for the run-off: approx. 20 cm x 20 cm and for the water pipe: approx. 8 cm.
- The size of the recess within the screed should be approx. 2 cm larger in each direction than the tray element. If necessary, this recess shall be covered with the screed mortar weber.plan 816.
- Connect the existing water pipe with the run-off, using a PVC pipe; this pipe shall be sheated with an acoustic protection strip. Run-off and the water pipe must be fixed prior to the screed application. The upper side of run-off must lie approx. 50 mm under the upper side of the prevailing screed. For an accurate installation of the run-off the tray element can be used as a template.
- Before the screed is laid, fix an insulation foam strip around the walls. When subsequently laying the screed, note that no bonding layer is required in case of screed thickness over 43 mm (production of a self-carrying screed).
- Apply a bondcoat of the quick-setting and flexible cement-based tile adhesive weber.xerm 853 F, using a 10-mm notched trowel on the back of the shower tray element.
- Install weber.sys 833 in both terms of height and level; it must lie full-contact on the whole substrate.

- Weights must be placed in the corners of the tray element for securing its final position without altering its position in terms of height.
- Existing cavities in the area of the horizontal run-off or in the area of the drilled borehole in concrete ceiling for the vertical run-off must be completely filled with the flow-grade cement-based grout weber.rep 767. Fill the mortar through the 2-pre-bored holes of the run-off. Afterwards close these 2 holes with the rubber drops (delivered together with the other accessories).
- Completely fill the joint between the existing screed and the tray element with the quick-setting and flexible cement-based tile adhesive weber.xerm 853 F. In case of expected movement install a movement joint, which is waterproofed with the sealing tape weber.tec 828 DB 75, using the 2-comp. quick-setting reactive glue weber.xerm 844.

Follow-up works

- The waterproofing works can be carried out as soon as the screed and the tile adhesive have set (approx. 3 hours at room temperature).
- Apply the 2-comp. quick-setting reactive waterproofing compound weber.tec Superflex D 2 or xerm 844 full-surface on top of weber.sys 833.
- Once the waterproofing material has dried (approx. 4 hours) fix the tiles with weber.xerm 853 F.
- The insert element for the stainless steel grate can be rotated, moved and adjusted in height. This allows the grate to be placed according to joint cut and tile height.

Practical information

Tools:

Smoothing trowel, notched trowel, wooden float

Storage:

The product can be stored at least 24 months in its original unopened packaging, if kept dry, protected from sunlight and on even surface.

Technical Data Sheet



Packagings

Material	Sizes	Sales unit
Board	900 x 900 mm	1 piece
Board	1000 x 1000 mm	1 piece
Board	1200 x 1200 mm	1 piece
Vertical run-off weber.sys 833 AB S		1 piece
Horizontal run-off weber.sys 833 AB W		1 piece
Stainless steel rost weber.sys 833 ER	100 x 100 mm	1 piece

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.