

Shower deck n tray

Comprehensive waterproofing system for built-in showers.

New base for totally flat shower trays, in which the water drains through the open joints between the floor tiles, remaining at the same height as the rest of the flooring and giving visual continuity to the bathroom. It accepts porcelain stoneware tiles with a thickness equal to or greater than 6 mm, especially recommended for XLIGHT and STONKER L by PORCELANOSA.

This type of shower trays is characterized by being at the same level as the rest of the bathroom flooring, eliminating steps and integrating perfectly into the bathroom design.

Professional use.

Recommended use

Waterproofing of built-in shower trays with porcelain stoneware tiles of at least 6 mm in thickness. Specially developed for PORCELANOSA Grupo ceramic tiles: STON-KER L, PAR-KER, HIGH-KER, SOLID-KER, XLIGHT and XTONE.

Features

Prefabricated shower tray in rigid polyurethane coated with thermosetting polymers.

- Superior finish: Waterproof surface with black relief.
 - Smooth base sloping towards the drain with a slope between 1.4% and 3.5%, depending on the final length of the tray.
 - 27 mm diameter circular support discs evenly distributed over the entire surface to create 31 mm wide channels. To ease installation, the lines of support discs terminating against the central sump are provided with reinforcing ribs.
- Bottom finish: Dovetailed polyurethane
- Maximum tray thickness: 31mm + thickness of the tile
- Minimum system height: 91mm

Including a 50 mm diameter horizontal outlet.

- Drain height: 54mm
- Discharge speed: 0.52 l/s
- Includes u-bend
- No need for any type of grid

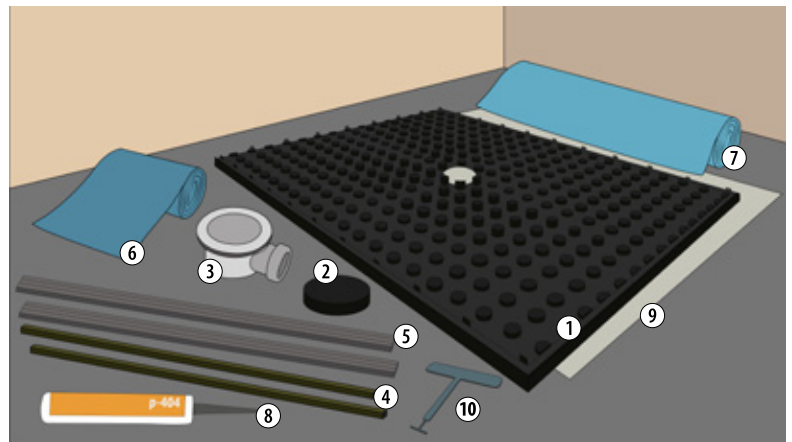
Direct laying of the ceramic tiles on the shower tray without adhesive.

Water drainage through the open joints between the ceramic tiles.

- Recommended joint width: 4mm
- Minimum joint width: 3mm
- Excellent chemical resistance, fully waterproof shower tray surface
- Good resistance to compression
- Good heat resistance
- Fast and easy installation

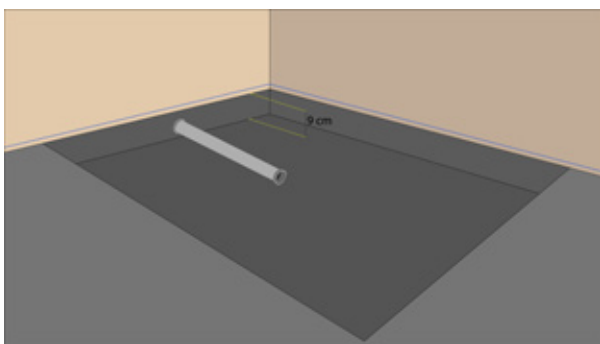
Components

1. **Shower deck n** tray.
 - For showers larger than 200 cm x 125 cm, the tray will be supplied, according to the project, in two pieces or more pieces to be assembled on site.
2. Drain reinforcement
3. Non-return drain
4. Leveling profiles to adjust the height of the shower enclosure covering 14 mm x 14 mm x 2,000 mm (2 pcs.)
 - For shower trays covered with ceramic tiles with a thickness of less than 10 mm, use 10 mm x 12 mm leveling profiles
5. Reinforcement profiles for shower tray ceramics 30 mm x 4 mm cross-section (number of profiles according to project)
6. **Lami-band 200** roll. 5 linear meters
7. 5 m² roll of **imperband**
8. **p-404** tube (2 units)
9. Non-walkable EPS protection plate to prevent the accumulation of dirt and debris on the **shower deck n** shower tray
10. Manhole key
 - Instructions for use
 - The ceramic tile required for the shower tray covering is not included. Check that the type of ceramic tile chosen for covering the **shower deck n** shower tray has a water absorption of 0.5% or less, according to UNE-EN-ISO 10545-3, a thickness greater than or equal to 6 mm and enough mechanical and slip resistance for overhead showers.



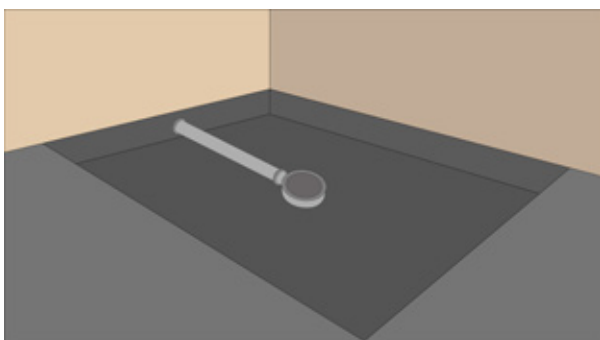
Installation Guide

Scrupulously observe the following installation instructions:



1. Laying out the shower

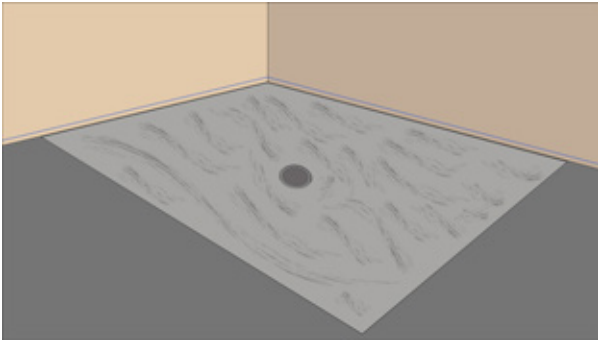
Leave a hole of the same shape and at least 1 cm wider and longer than the dimensions of the **tray** (1) to be installed and At least 9 cm depth from the bathroom floor surface, in the area of the shower tray drain. Check that the walls that limit the shower tray are square and well leveled.



2. Connecting the drain

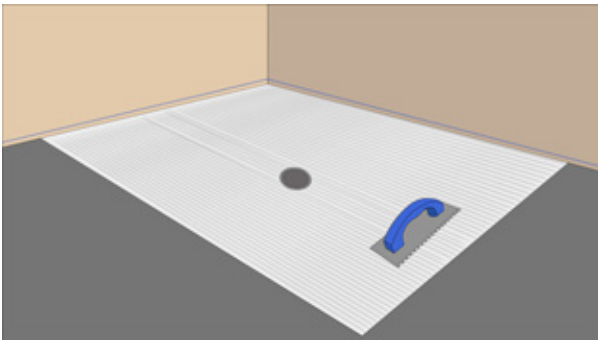
Connect the **drain** (3) to the drain pipe and carry out a leak test.

Installation Guide



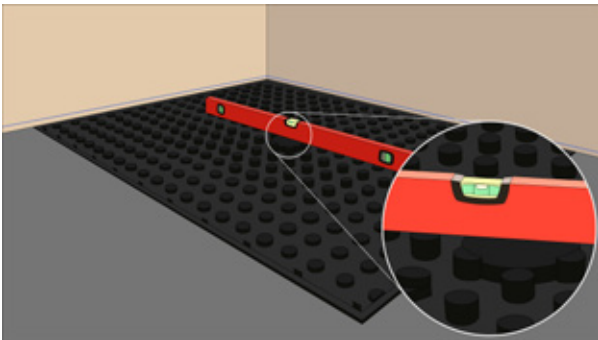
3. Shower tray base preparation

Fill the bottom of the **shower tray** with cement mortar in such a way that the shower tray, when placed with an adhesive layer of approximately 1cm, plus the ceramic coating, is at the same level as the finished bathroom floor. Ensure that the mortar base is completely flat and allow it to dry.



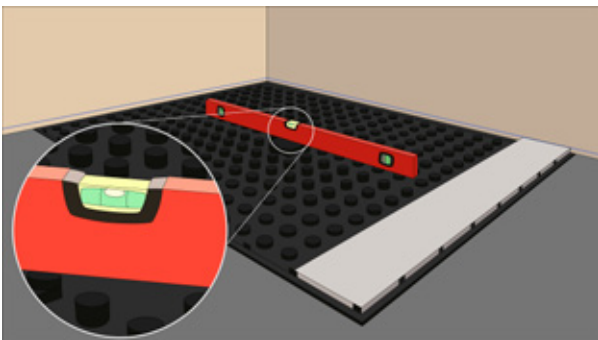
4. Installing the shower tray

Using a notched trowel, apply a layer of type C2 adhesive or higher, such as **flexitec**, **fr-one** or **one-flex**, according to EN 12004, and glue the **shower deck n** shower tray (1). Do not glue the shower tray with adhesive dots or beads.



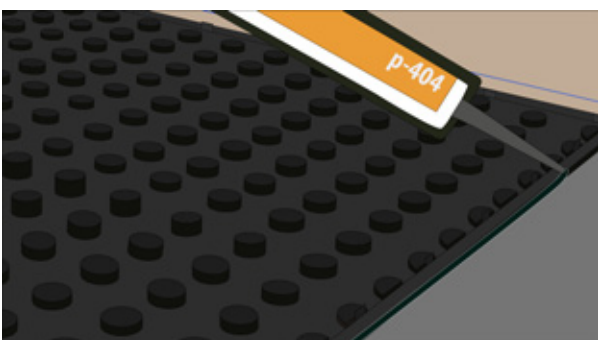
5. Shower tray leveling

Check that the shower tray (1) is well leveled and rests firmly on the support.



6. Shower tray level

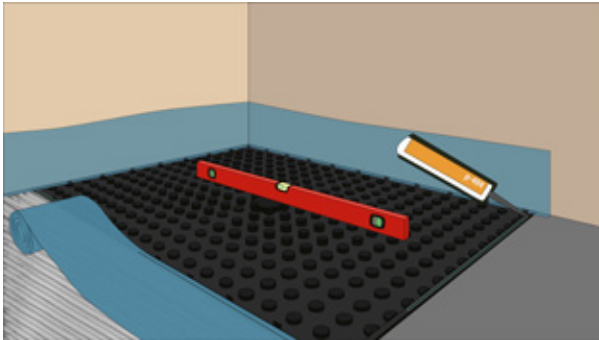
Check that the **shower deck n** (1) tray plus ceramic is at the same level as the finished bathroom floor. If the ceramic tiles of the bathroom floor and the shower tray have different thicknesses, place the shower tray in such a way that the two types of ceramic tiles, once laid, are at the same level.



7. Shower tray perimeter sealing

Seal the joint between the **shower tray** (1), walls and bathroom floor with **p-404** putty (8).

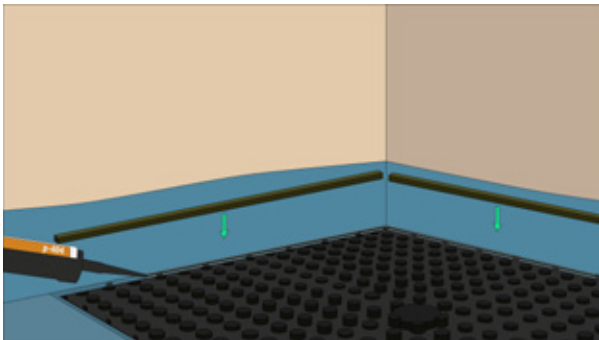
Installation Guide



8. Shower tray perimeter waterproofing

Cover the perimeter joint of the **shower deck n** shower tray (1) with the **lamiband 200** waterproof sheet (6) glued with **p-404** putty (8) on the eaves and perimeter profiles of the shower tray and C2 adhesive or higher, type **flexitec**, **fr-one** or **one-flex**, according to EN 12004, on the walls and floor of the bathroom.

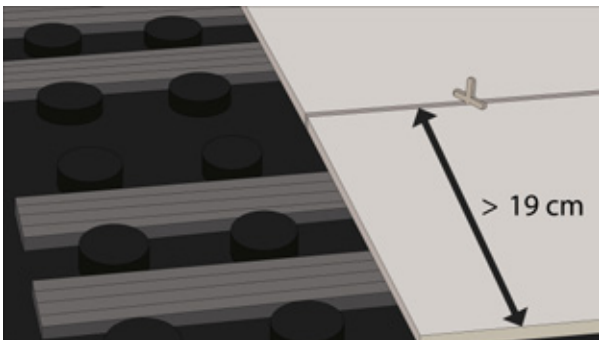
We recommend waterproofing both the floor and the walls of the bathroom in contact with water with **imperband** (7) waterproofing sheet (6). Check again that the **shower tray** (1) is level.



9. Junction with the walls.

Glue the **leveling profiles** (4) to the perimeter eaves of the **shower deck n shower tray** (1) with the **p-404** polyurethane putty (8), using profiles of a height appropriate to the thickness of the tile to be used on the shower tray.

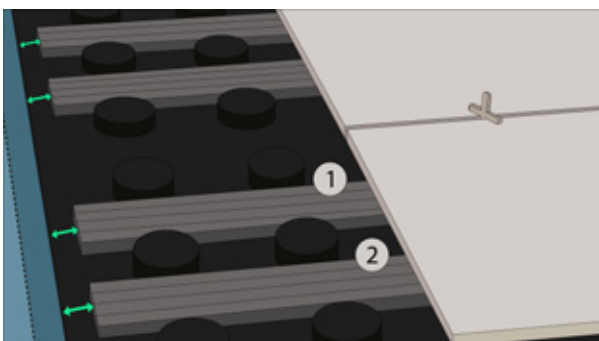
When the thickness of the ceramic tile used on the **shower deck n tray** (1) does not match the height of the **leveling profiles** (4), replace them with ceramic or wooden blocks of the required height.



10. Features of the shower deck n tiles

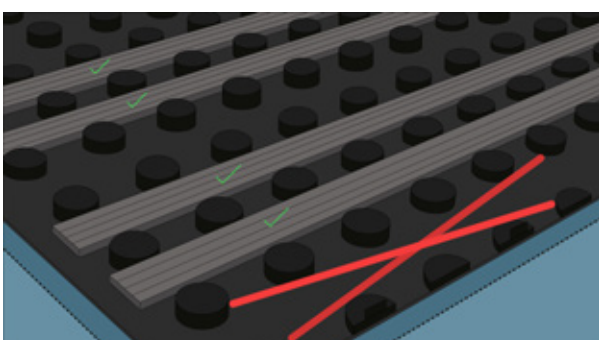
The porcelain stoneware tiles of the **shower deck n shower tray** (1) should be at least 19 cm wide and fully cover at least two channels of the support discs. Leave a 4mm joint for water drainage.

For safety reasons, it is advisable to grind, polish, or sand the edges of the ceramic tiles that have been cut for fitting on site.



11. Laying out the reinforcement profiles I

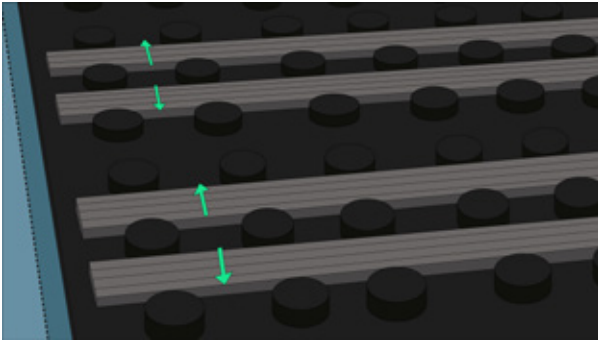
Cut the **reinforcement profiles** (5) according to the dimensions of the **shower deck n** shower tray channels (1) but without reaching the ends of the ceramic plate, and arrange them inside the channels determined by the support discs, such that under each ceramic piece there should be at least two **reinforcement profiles** (5) on the sides of the piece, and never three empty channels underneath the same.



12. Laying out the reinforcement profiles II

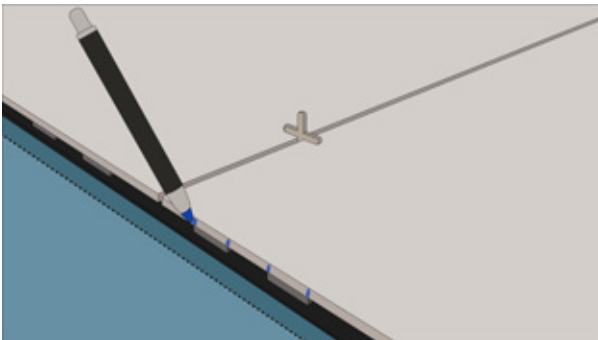
Do not use the channels between the last row of discs and the perimeter of the **shower tray** (1).

Installation Guide



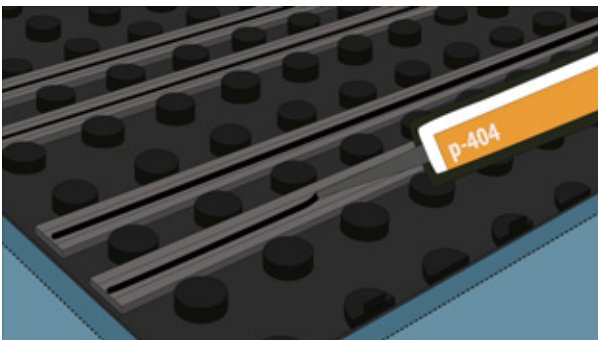
13. Positioning the reinforcement profiles

Place the **reinforcing profiles** (5) against the row of support discs in such a way that each of the **profiles** contacts a different side of the other, i.e. if the first **profile** is against the row of discs on its right, the other one will do so against the row on its left. Check that the **reinforcing profiles** (5) do not block the installation joints.



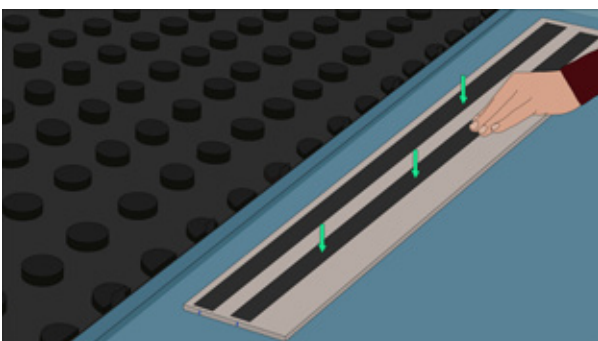
14. Positioning the shower deck n tiles

Place the ceramic sheets and mark the position of the **reinforcing profiles** (5) on the sides.



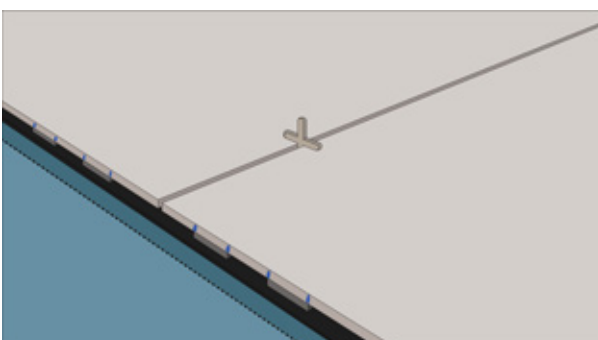
15. Gluing of the reinforcement profiles

Remove the covering sheets from the **tray**, apply a central bead of **p-404** (8) along the grooved side of each **reinforcement profile** (5) and glue on the back of the ceramic pieces according to the side markings made.



16. Pressing the reinforcement profiles

Press the **reinforcement profiles** (5) onto the ceramic and check that no adhesive has overflowed.

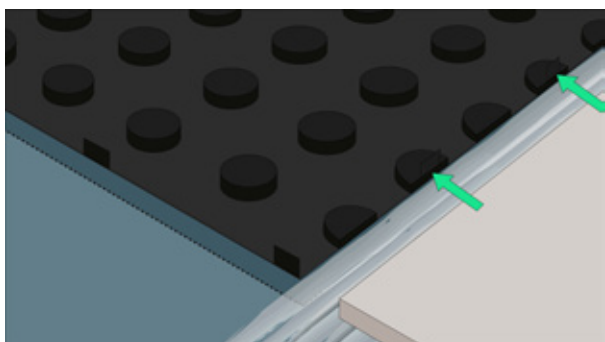


17. Installing the shower deck n tiles

Place the sheets back in their position on the **shower deck n tray** (1) and check that the position of the **reinforcing profiles** (5) and levels are correct. Repeat the process as many times as there are pieces and leave a 4 mm joint.

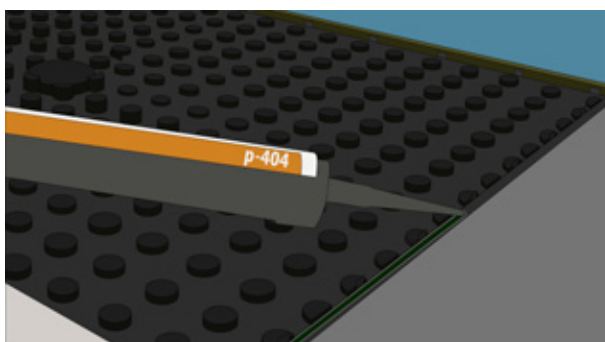
Check that the tile has not stuck to the shower tray and allow to dry for 24 hours.

Installation Guide



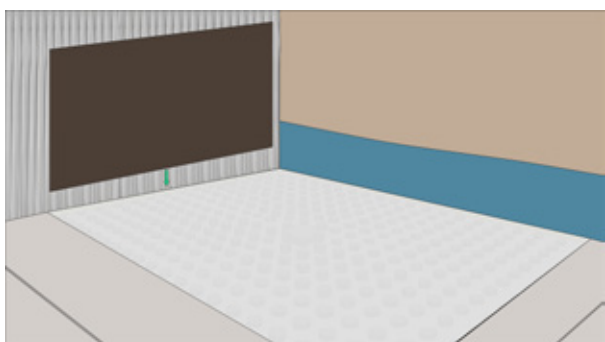
18. Bathroom floor covering

Lay the bathroom tile on the eaves of the **shower tray** (1) against the stops, check that the bathroom floor is at the same level as the shower tray covering.



19. Sealing the bathroom floor

Remove the ceramic and seal all the perimeter of the **shower tray** (1) with **p-404** (8).



20. Bathroom wall covering

Install the ceramic wall covering of the shower cubicle without going beyond the side stops of the shower tray.

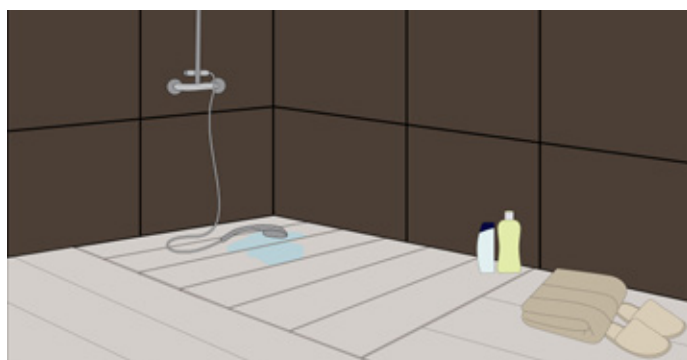
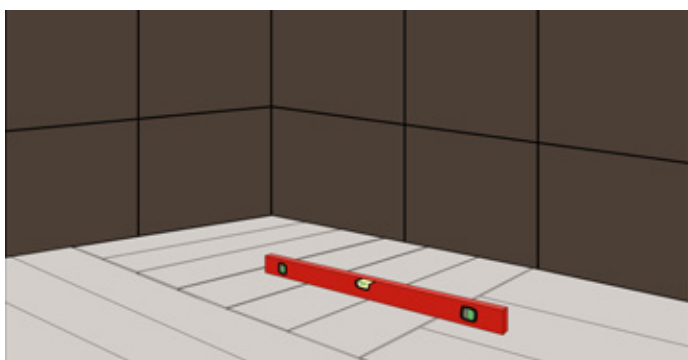
Use the **protection plate** (9) to prevent the accumulation of dirt and debris on the shower tray. Do not step on it.



21. Laying the shower deck n tray

Clean the drain and slopes of the **shower tray** and lay the ceramic tiles.

Handle the ceramic base as carefully as possible.



Additional instructions

- All parts of the shower deck n shower tray flooring must be accessible; do not install any elements, such as shower enclosures, on the shower deck n shower tray floor tiles or perimeter joint that would prevent the shower tray floor tiles from lifting.
- The only recommended technique for laying the shower tray is the thin-bed method with a 10 x 10 mm notched trowel and C2 adhesive or better, such as **flexitec**, **fr-one** or **one-flex**, in accordance with EN 12004. Do not apply adhesive in dots or blobs applied by trowel.
- Scrupulously follow all instructions on preparation and application of polyurethane adhesives and putties.
- We recommend waterproofing the walls and floors in direct contact with the shower tray. The use of imperband type waterproofing sheets is recommended.
- Do not place the Shower deck n shower tray on supports subject to strong movements.
- Before choosing the ceramic tile model for the shower tray, refer to the standards in force regarding the level of slip resistance required for this type of use. Use porcelain stoneware tiles at least 6 mm thick.
- Be extremely careful when laying the ceramic tiling of the Shower deck n shower tray, paying particular attention to:
 - Before laying the tiling, check that the shower tray is completely level. Never level the covering of the tray with any type of element applied on the support discs.
 - Check that, once the reinforcement profile is placed under the ceramic tile, it is flush with the bathroom floor.
 - Check that the ceramic tiles rest well on the support discs, without protrusions.
- Glue the reinforcement profiles to the back of the tiles of the shower tray covering with Butech p-404 putty, leaving a 4 mm joint to allow the shower water to drain. Allow to dry for 24 hours and lay the ceramic tile on the shower tray according to the initial layout.

For more information about this product, check with butech's Technical Department.

Cleaning and maintenance

- Periodically, lift the ceramic covering of the shower tray and clean any dirt that may be on the tray. Also check the condition of the siphon and clean any dirt that may be on the surface of the tray with a soft brush and water.
- Handle the pieces of the ceramic covering with the maximum possible care to avoid its breaking or deterioration; do not place them directly on the shower tray or other hard surface, protect them with a towel or other element that cushions the contact.
- Given that, in this type of shower tray, the ceramic covering is totally flat, once the shower is finished, the tiles will always be covered with water, so it is recommended to dry them with a towel or mop.
- Once the shower tray is completed, keep some tiles of the same model and shade, so that in case of breakage, spare parts are available. Calculate the number of spare profiles (100225510) that are needed (2 per tile) and order them to have them as spares in case any tile breaks.

Data sheet conditions

- This data sheet does not describe a finished product; it is a prefabricated shower tray which, together with other products and materials, determines a ceramic tiles lying system. Instructions in this technical sheet have been written based on our experience and technical expertise, but they have to be only considered as general recommendations which, together with those for the rest of the products in the system, guide the laying professionals in their job.
 - As it is not possible to know all the features and conditions of a building job, professionals must consider it and, if deemed appropriate, perform a previous test to confirm whether the product is suitable for the job.
 - The technical sheet cannot reflect all the applications and conditions entailed in the use of a material, so, in situations not described in this sheet, we recommend to perform a previous test and refer to our technical department.
- This sheet has been updated in May, 2024.

Technical features

Feature/Sink	Testing method	Unit	Value
Output		mm	Horizontal 40
Outlet diameter:		mm	40
Discharge speed	Flow rate according to UNE-EN 274	L/s	0.52
Materials	Polypropylene		

Properties of the tray	Standard	Unit	Value
Length deviation		mm	± 2
Width deviation		mm	± 2
Height deviation		mm	± 1
Density	EN 1602	kg/m ³	145
Fire resistance rating	EN 13501-1		E
	DIN 4102-1		B2
Compression resistance	EN 826	kPa	2000
E-Modulus	EN 826	kPa	55000
Tensile strength	EN 1607	kPa	1500
E-Modulus	EN 1607	kPa	40000
Cross-sectional tensile strength	EN 12089	kPa	2500
Shear modulus	EN 12090	kPa	600
Thermal conductivity at 10°C	EN 12667	W/mK	0.030*
Operating temperature limits		°C	-70 +130
Weight	EN 1849-2	Kg/m ²	5

For density there is a tolerance of ± 10 %.

All resistance values are based on the direction of the parallel test.

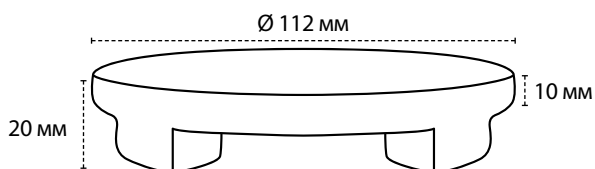
Thermal conductivity values have been defined according to EN 12667 in 6 weeks at 10 °C average temperature.

Dimensions

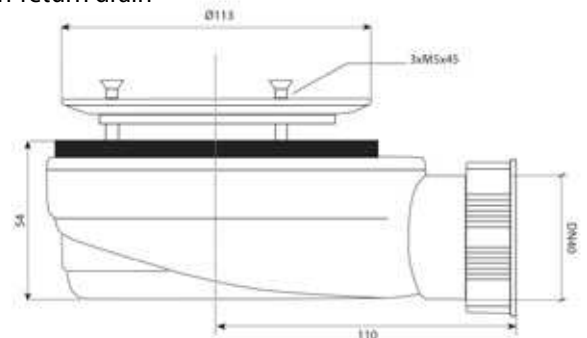
General diagram of the tray



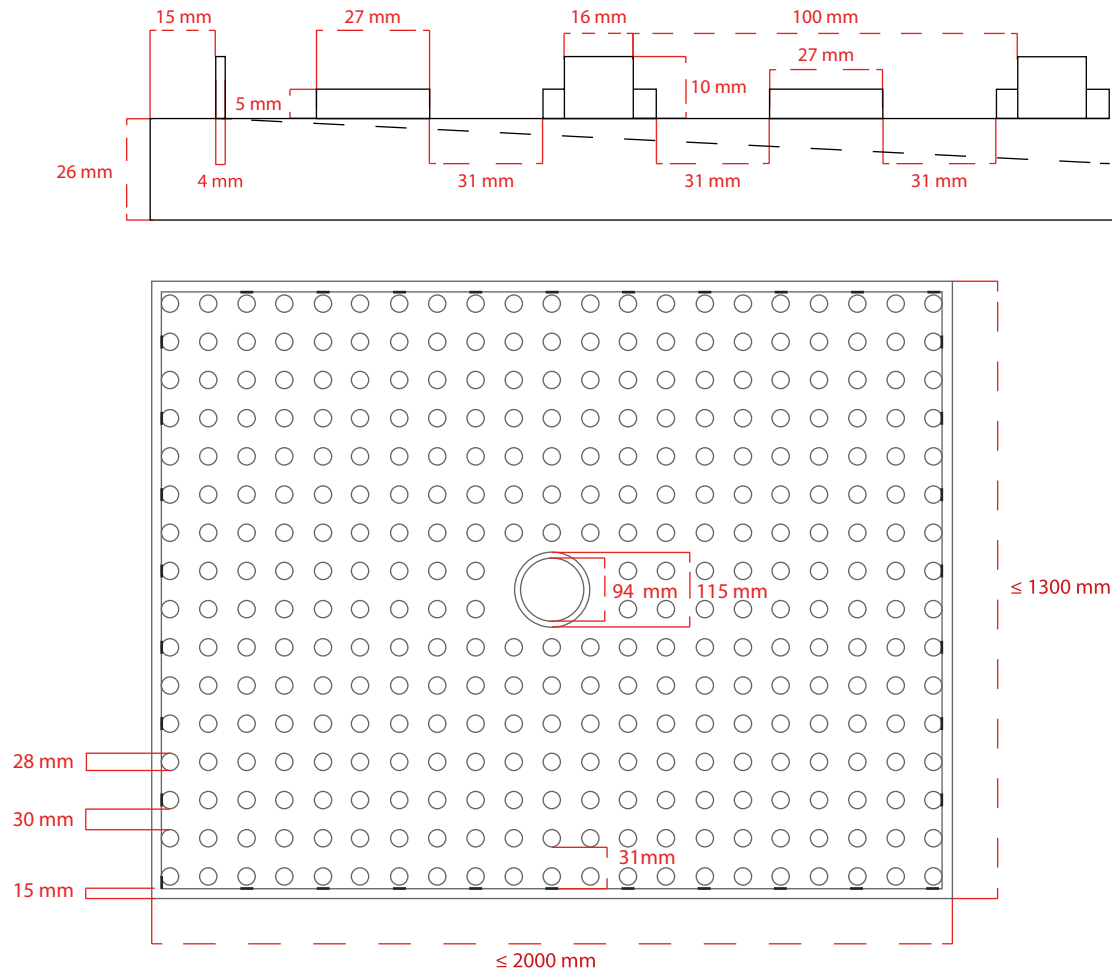
Drain reinforcement



Non-return drain



Dimensions



Maximum length	2000 mm*
Maximum width	1300 mm*
Thickness	31 mm + thickness of the tile
Side flange	15 mm
Perimeter joint	
- Width	4 mm
- Height	5 mm

* Shower trays with larger dimensions are supplied in two pieces.

References

SAP	Product description	
100349341	Shower deck tray special dimensions	máx. 2000x1300x30 mm*
100350338	Shower deck tray n	1.216x938x30
100350281	Shower deck tray n	700x700x30
100350335	Shower deck tray n	800x800x30
100350336	Shower deck tray n	800x938x30
100350337	Shower deck tray n	900x938x30
100225510	Ceramic junction profile SWD	200x3x0,4 cm
10005820	p-404	300 ml

* For larger sizes, two or more trays will be used, depending on the project's requirements.

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