

 **profiltec**
positive profile

showe

manual

shower⁺tec[®]
board



 **profiltec**
positive profile

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DESCRIPTION



STBO Showertec Board is a **multilayer tile substrate** for shower and bathtub surround, made of heat bonded polypropylene layers with fleece webbing on both sides.

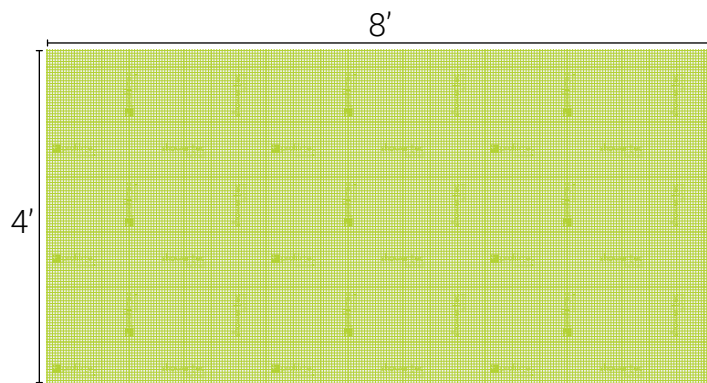
The primary material used in its construction is **polypropylene**, a thermoplastic polymer that is commonly used in a wide range of applications due to its **durability** and **resistance** to heat and moisture.

In addition to the layers of polypropylene, Showertec Board also features **fleece webbing** on both sides. The surface fleece is a soft, non-woven fabric that ensures **secure anchoring** of the thin-set mortar. The surface of the board features printed **gridlines** spaced at 10 mm (3/8") to **simplify installation** and to **save time**.

Showertec Board is designed to withstand the harsh conditions of shower and bathtub environments, where moisture, vapor and heat are constantly present. It is completely **waterproof** and provides a rigid and dimensionally **stable substrate** for tile and other surface materials.



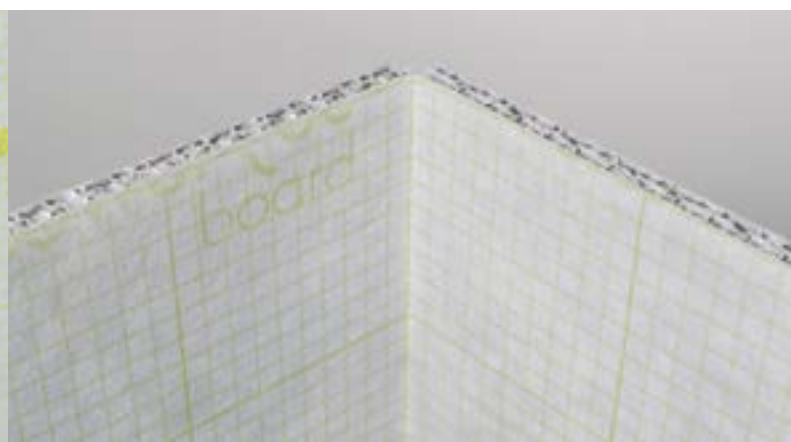
STBO91X152



STBO122X244

Article	Finish	Pcs/pallet
STBO91X152	TNT - White	80
STBO122X244	TNT - White	80

Wall construction and tiling can be challenging when dealing with stud framing or uneven substrates such as masonry walls. Fortunately, Showertec Board provides a practical solution for tiling over wood or metal framing, as well as uneven substrates. With its spot-bonding capabilities, achieving perfectly plumb wall surfaces has never been easier.



AREAS OF APPLICATION

Showertec Board is highly versatile, easy to install and can be used in multiple applications creating a rigid, stable, waterproof and vapor-tight structure.

Showers and bathtubs



Showertec Board is often used as a substrate for tile coverings in showers and bathtubs to create a waterproof and vapor-tight barrier.

Steam rooms



Since Showertec Board is waterproof, vapor tight and resistant to high temperatures, it can be used in steam rooms.

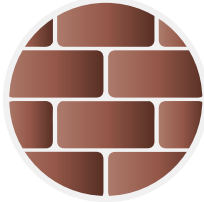
Wet rooms and pool areas



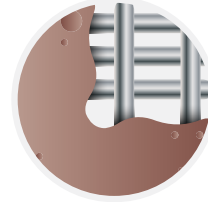
Showertec Board can be used to create waterproof substrates in areas such as wet rooms, pool areas, and other areas that are exposed to water.

SURFACES / UNDER STRUCTURE

Showertec Board offers **versatile installation options**. It can be bonded to wall surfaces using an **adhesive or mortar**. Alternatively, it can be attached using small portions of thin-bed mortar or a suitable adhesive. If needed, the stability of the board can be enhanced using extra wall anchors. When dealing with wooden or metal stud frames, the attachment involves **screws** compatible with the designated hardware system. Tiles can be directly installed onto Showertec Board using the **thin-bed approach**. However, it's also feasible to apply other compatible trowel coverings or layers of plaster.



Brick: Showertec Board provides an ideal substrate for tile installation over existing brick walls. Its waterproof and steam-tight properties make it suitable for high-moisture environments, such as bathrooms and kitchens.



Concrete: it can be used to level out existing vertical concrete surfaces and provides excellent load-bearing capacity, making it ideal for tiling walls.



Masonry Surfaces: It is an excellent option for tiling over masonry surfaces, such as brick and stone. It can be easily cut to size using the printed gridlines, allowing for seamless installation and minimal waste.



Wood or Metal Studs: Showertec Board can be used as a substrate for tile installation over wood or metal studs. It is fastened using typical drywall screws without the need for expensive washers, making it quick, less costly and easy to install. Its resistance to bending ensures a stable and durable installation.



Showertec Board is simply cut to size with a utility knife. The gridlines printed on the surface are helpful for neat and quick installation.



No washer is needed for the installation. The external surfaces of the board are strong enough to support the pressure of the head of the screw under the tightening torque of any screwdriver (electric or by hand).

KEY ADVANTAGES



Waterproof

Showertec Board is the perfect solution for applications where water exposure is a concern, such as in showers, steam rooms, and other wet areas. It is also resistant to mold and mildew growth, making it a popular choice for use in bathrooms and other high-moisture environments.



Lightweight

Another key advantage of Showertec Board is its lightweight design. Unlike other construction materials that are heavy and cumbersome, Showertec Board is easy to handle and maneuver, even in tight spaces. This makes it the perfect choice for any project that requires precision and attention to detail. Showertec Board provides a genuine advantage in terms of ease of use and convenience, making it valuable whether the user is a professional contractor or a DIY enthusiast.



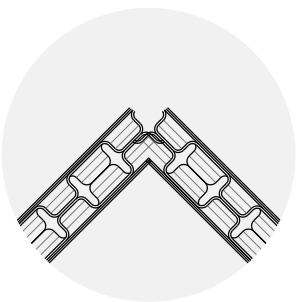
Durable

Showertec Board is durable and long-lasting and due to its unique construction and high-quality materials, it will withstand the harshest installation conditions.



Fastened using drywall screws, no washers required

Showertec Board can be fastened using common drywall screws without the need for washers. This can make the installation process quicker, easier and less costly as drywall screws are readily available at most hardware stores and are easy to work with.



Partially cut and bent without joints

Showertec Board can be partially cut and bent to create watertight internal corners, which is a unique advantage. This feature saves time and effort during the installation process.

KEY ADVANTAGES



Made with recycled material and fully recyclable

Showertec Board is made with recycled material and is fully recyclable, making it an environmentally friendly choice for any construction project. The use of Showertec Board will lead to a reduction in carbon footprint and a contribution to a more sustainable future.



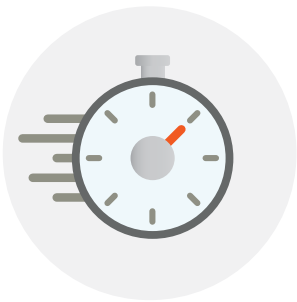
No cement, fiberglass, or paper products

Showertec Board does not contain cement or cementitious products, fiberglass, or paper products. This means that there is no cement dust dangerous to inhale, making them a healthier choice for any construction project.



Heat bond technology and no harmful chemicals

Showertec Board is made using only heat bond technology and does not contain harmful chemical substances. It is safer as it reduces the risk of exposure to harmful chemicals during installation and use.



Quick and easy to install

Showertec Board is designed to be quick and easy to install, without the need for expensive washers. It has high resistance to pull out from studs, making it a reliable choice for any construction project. This feature saves time and effort during the installation process, allowing the project to be completed more quickly and efficiently.



No damage during transport

Showertec Board is designed to be more durable and resistant to damage during shipping and storage, which can save time and money by avoiding the need to replace damaged products.

LIMITATIONS AND REQUIREMENTS

- Not for use in exterior applications.
- The lay out should be planned and constructed in accordance with the building code regulations that are relevant to your locality. This might necessitate engaging a proficient design expert, such as an architect or engineer, to ensure compliance.
- Provide insulation in wall and ceiling cavities to reduce moisture condensation on the tiled surface.
- Remove any nearby electrical outlets, trim, old tile and setting materials down to wall studs and subfloor.
- If there are any studs that are warped or bent, use shims or replace them to ensure that the wall surface remains even and flat.
- Add additional studs if they are spaced more than 16" on center.
- Showertec Board shall be fastened to wood or metal framing with appropriate screws (i.e., self-tapping screws with flat countersunk head).
- At every alteration in surface orientation, such as shifts between floor and wall, wall and wall, and wall and ceiling, it is imperative to incorporate movement joints. Utilizing movement joint profiles (for instance, Jointec) provide a maintenance-free alternative to sealant.
- For the installation of items like shower grab bars, and heavy elements such as supports for shower glass, it is essential to securely anchor them either within the underlying structure or onto substantial blocking positioned behind the Showertec Board.
- **NOTE:** Please ask a professional if you have any questions about how to safely prepare your space.

Properties & tests



Water vapor permeance
0,0009 perms



Thermal transmission properties (R-value)
R 0,984 (hr x ft² x F°/BTU)



Flame spread and smoke developed
Class A

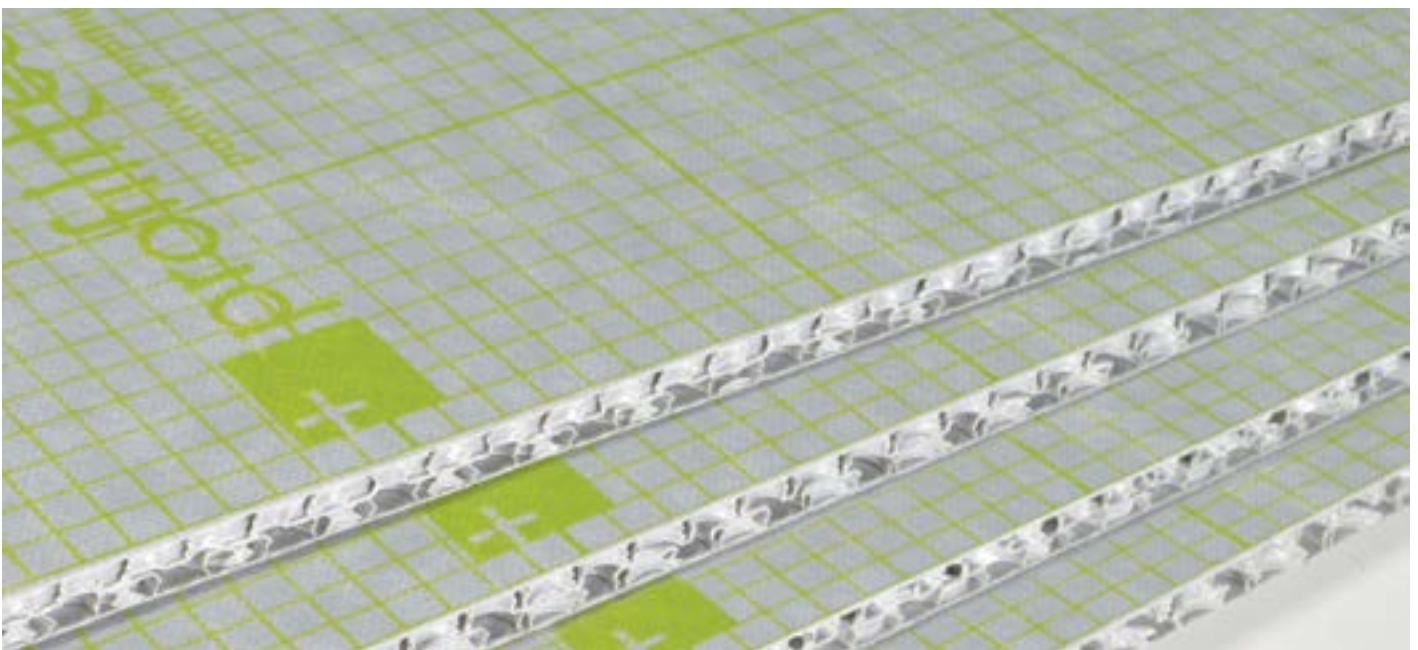


Room corner test
Pass

These tests certify that the Showertec Board meets industry standards for quality and performance, providing a reliable and durable construction solution.

WATERPROOF MULTILAYER STRUCTURE

- 1 Fabric fleece with printed grid
- 2 Polypropylene sheet
- 3 Polypropylene embossed sheet
- 4 Polypropylene embossed sheet
- 5 Polypropylene sheet
- 6 Fabric fleece



INSTALLATION ON MASONRY, BRICKS WALLS, CONCRETE WALLS



1. Prepare substrate: ensure the substrate is clean, dry, and structurally sound. Remove any debris, sealants, or coatings that may interfere with adhesion (if board is being bonded).



2. Plan layout: plan the layout of the Showertec Board panels to ensure that they fit snugly against each other and the surrounding walls. They can be installed both vertically or horizontally.



3. Cut panels: use a utility knife or a jigsaw to cut the Showertec Board to the required size and shape. Use a straight edge to ensure clean, straight cuts.



4. The adhesive must bond with the substrate and mechanically set in the anchoring fleece of Showertec Board. Select suitable adhesive, carefully checking for any incompatibilities of materials. The thin-set is applied either over the substrate or onto Showertec Board with a 1/2" x 1/2" square notched trowel.



5. Tightly abut the individual panels and align them appropriately.



WATERPROOFING

6. See page 13.

AFTER WATERPROOFING:

Install accessories: install any accessories such as shower niches.

Following the attachment of Showertec Board panels, tiles can be promptly installed using a thin set that aligns with the covering's specifications. Opt for a notched trowel that corresponds to the tile dimensions. It's crucial to adhere to the recommended curing durations of the thin-bed mortar.

INSTALLATION ON WOOD OR METAL STUDS



1. Plan layout: plan the layout of the Showertec Board panels to ensure that they fit snugly against each other and the surrounding walls. They can be installed and screw mounted vertically or horizontally.



2. Cut panels: use a utility knife or a jigsaw to cut the Showertec Board to the required size and shape. Use a straight edge to ensure clean, straight cuts.



3. Fasten the boards: use 1-1/4" drywall screws spaced at 12" along the wood studs and max 1/2" of the edge to fasten board.

The panels have to be tightly abutted when fixing the screws. The selected screws should be self-tapping screws with flat countersunk head, with sufficient length to reach a depth of at least 3/4" (20 mm) in wooden studs and at least 3/8" (10 mm) in metal studs. The distance between the screws should not exceed 12" (254 mm) for walls, 8" (200 mm) for ceilings. Ensure the fasteners are flush with the surface of the board.



4. Fix each board with self tapping screws along the sides and making sure that the side parallel to the studs covers its center line in order to leave the fixing space for the next panel adjacent to that one.



5. See page 13.

AFTER WATERPROOFING:

Install accessories: install any accessories such as shower niches.

Waterproofing and tiling: tile over the Showertec Board using a suitable thin-bed mortar applied with appropriate trowel size.

INSTALLATION NEAR CORNERS



With the multilayer structure of the Showertec Board it is easy to **create angles by making partial depth cuts** along the panel.



It's important to set to 3/8" the length of the **utility knife blade and then make a cut** on the panel at the calculated length where the corner is located. Afterward, fold the panel, ensuring that the cut is positioned on the external side of the corner.



WATERPROOFING

To ensure waterproofing, **Shower walls can be waterproofed by utilizing Showertec Board** before installing the shower tray or a waterproof membrane on the floor. The application of Showertec Board on the ceiling of showers is discretionary. In steam rooms **Foiltec** is bonded on both walls and ceilings as an alternative to the Showertec Boards.



Seal seams: use FOILTEC/15 waterproofing strip to seal the seams between the Showertec Boards. Apply a thin layer of modified thin set mortar to the seam, press the FOILTEC band into place, and smooth out any wrinkles or air pokes.

Apply the FOILTEC/15, waterproofing sealing strip for butt joints and perimeter edges with modified thinset. The strip is 6" large and can cover both lines of screws used to fix the panels in case of studs.



Seal single points: Apply the FOILTEC 10X10 PATCH with thinset mortar to waterproof the area of the screw heads.

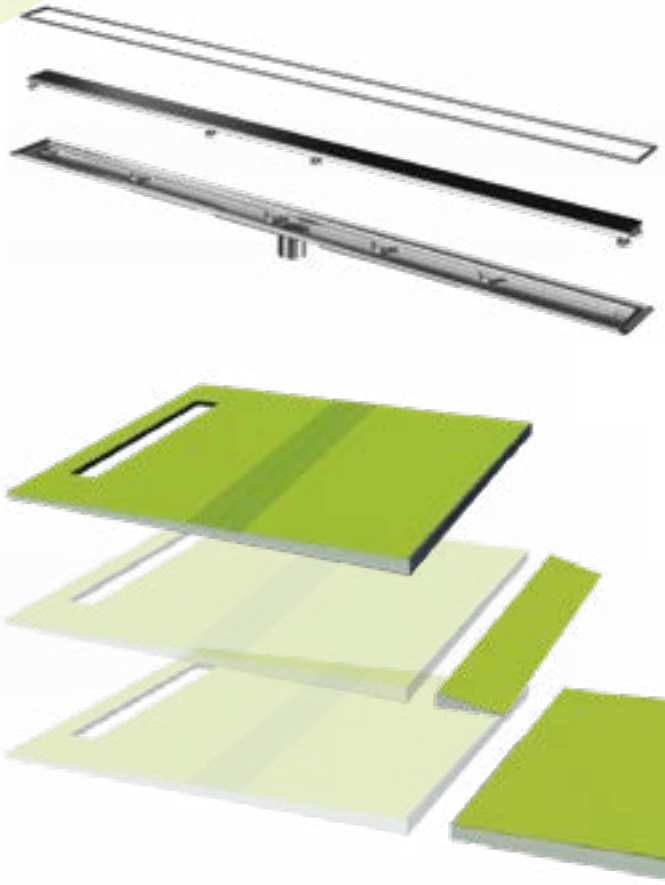
The thin-set used for bonding FOILTEC must be wet enough to penetrate and engage the membrane fleece.

Ensure that joints, corners and heads of screws are always covered at least with 2" each side with **FOILTEC corner, band or patch** to guarantee **the correct overlap**.

PRODUCT OVERVIEW

OTHER PROFILITEC PRODUCTS OF THE SHOWERTEC SYSTEM

SHOWERTEC LINEAR (STL)



Body, Cover, Frame

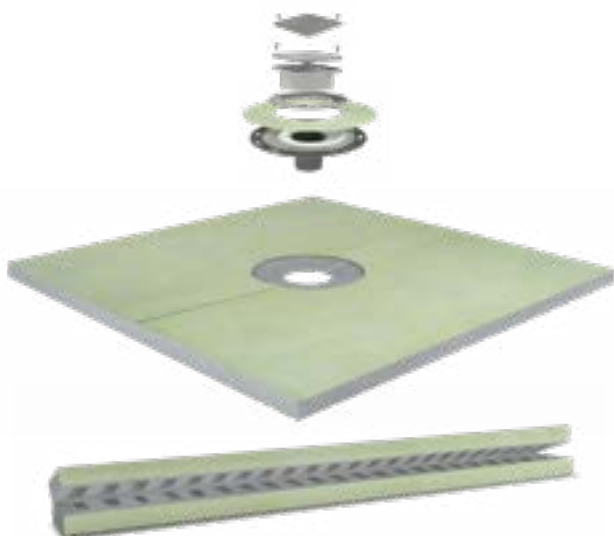
Showertec Linear is a range of linear drains, 100% made in Italy, that allow for the installation of flush floor showers without the limit of architectural barriers.

It is made of three elements: Body (channel body), Cover (removable and adjustable grids), and Frame (optional).

Shower Tray

2% pre-sloped shower trays Showertec STL-TRAY in several sizes and ready to be tiled, are available to complete the system.

SHOWERTEC CENTRAL (STC)



Square Drain Kit

Showertec Square Drain Kit is composed of a bonding Flange with a vertical drain and an integrated anchoring membrane, a Foiltec Circular Waterproof Membrane Ring, Foiltec Internal and External Corners and a Square Drain.

Shower Tray

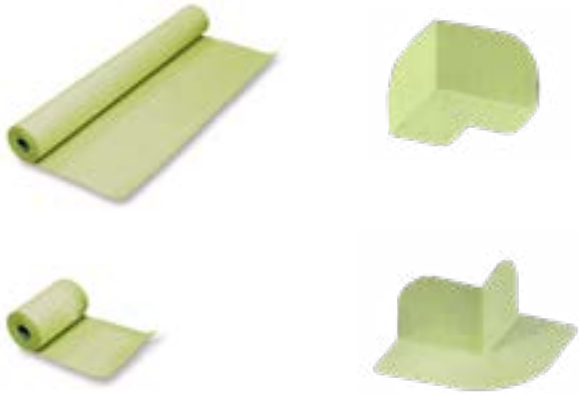
Showertec Shower Tray is a pre-sloped tray with a pre-attached Foiltec waterproof and vapour tight membrane.

Shower Curb

Showertec Shower Curb is made of high density EPS foam and pre-wrapped in Foiltec Waterproof Membrane on all sides.

PRODUCT OVERVIEW

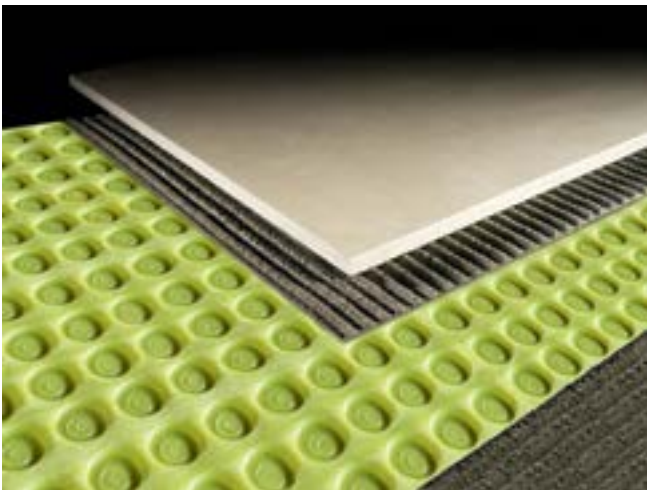
FOILTEC



Waterproofing membrane

Waterproofing membrane in polyethylene composite is installed in high-humidity areas using tile and thin-set mortar. The membrane is a soft and highly elastic material which compensates for small movements that may occur between the support and the tile, thereby preventing the transmission of harmful substances or bacteria. The Foiltec membrane has a complete range of accessories adapting to different needs, contributing to a "state-of-the-art" installation.

FLOORTEC



Uncoupling membrane

Floortec is an installation membrane for ceramic or stone tile based on uncoupling technology. It is placed between the tile and the substrate. Tile and membrane are bonded using appropriate mortar-based adhesives. The membrane is 1/8" - 3 mm in total thickness and composed of high density polyethylene laminated with spunbond non-woven fabric on the underside.

STK SHOWER PROFILES



Showertec STK

The Showertec STK range includes a series of profiles dedicated to the shower area. They are products designed to simplify the installation phase. These profiles create bathroom environments with a minimalist and modern design, obtaining floor-level showers without obstacles and without architectural barriers.



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