

INSTALLATION – CHECK SMART WALL TILE

PREPARATION

Walls

Make sure that walls are plumb and structurally sound, dry, and free from contaminants such as dirt and grease. For existing tiled surfaces, ensure thorough cleaning and apply a primer if necessary..

Attention

When using liquid foil or a sealing slurry, please observe the manufacturer's instructions for substrate preparation and application. If other waterproofing materials are used (e.g. waterproofing membranes), the substrate must be tested for suitability for bonding with the adhesive to be used.

Substrate

Confirm that the substrate is waterproof, in compliance with DIN 18534. This may require the application of waterproofing materials.

Measurements

Precisely measure all dimensions required for cutting. Utilize a cross-line laser or a spirit level. Create a reference sketch and transfer the measurements to the front of the tiles using a non-permanent marker. Validate measurements by re-measuring.

Expansion Joints

Ensure a minimum 2 mm expansion gap between the tiles and the shower tray. Similarly, provide adequate expansion gaps between the tiles and the ceiling, as well as the side walls.

Cutouts

Select the size or diameter in such a way that contact with the objects passed through is safely avoided. Ensure that there is a gap of at least 2 mm between the tile and the object.

Please ensure that dowels are not braced or spread out in the tile, but are anchored in the substrate. Here too, drill at least 4 mm larger in diameter. Example: 6 dowels with a 10 mm hole.

Marking

Accurately transfer the final cutting dimensions onto the front of the tile using a non-permanent marker.

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PROCESSING INSTRUCTIONS

Cutting & Drilling

Utilize sharp tools with appropriate geometry. Fully support the tile during processing to prevent vibrations. Deburr all edges and chamfer drilled holes.

Long Cuts

Use a guide rail to ensure precise, straight cuts. Exercise caution when starting and finishing cuts. For jigsaw cuts, disable the pendulum action and use the appropriate blade. We recommend cutting from the top with a sharp cutter knife. After cutting, break the panel with slight rocking movements at the cut edge.

Drilling

When using a hole saw, periodically interrupt the drilling to clear out debris. Opt for low to medium cutting speeds.

Protective Film

After completing cutting and drilling, remove the protective film from the tile surface.

Deburr

Deburr all edges, cutouts, and drilled holes to ensure smooth finishes.

INSTALLATION

Cutting Profiles

Use a hand hacksaw to cut the profiles to the required length. Apply protective tape at the ends of the tile to prevent silicone from spreading. Apply a small, cherry-sized amount of natural stone silicone to the bottom of the profiles.

Siliconing Profiles

Apply a continuous, thin bead of neutral-cure (acid-free) natural stone silicone along the profile edges and adhere the profile to the tile. For flush-mounted profiles, remove the backing of the double-sided adhesive tape and attach the profile to the tile.

Profile Corners

Apply a drop of silicone to the underside of the profile corner channels and slide them onto the tile corner before installing the profiles.

Surface Bonding

Adhere to the manufacturer's guidelines for substrate preparation and adhesive application. Protect adjacent surfaces to prevent contamination. Apply the adhesive with a notched trowel (using 4 mm or 6 mm notches), ensuring full adhesive contact between the tile and the substrate.

Our note: The addition of moisture is necessary for the 1-component special adhesive. Follow the enclosed installation instructions. Spread the adhesive over the surface.

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INSTALLATION | INSTALLING EXPANSION JOINTS

NOTE

To maintain a 2 mm expansion joint between the tile and the shower tray, place spacers at the base prior to tile installation.

Installation

Begin installing the tiles from a corner, pressing each tile firmly against the wall. Apply silicone to the profile edge either before or immediately after installing each tile. When installing subsequent tiles, start from the corner and press firmly into place.

Sealing

Seal around penetrations (e.g., for shower fixtures) with neutral-cure natural stone silicone. After installation, seal around the perimeter of the tiles and the floor expansion joint with the same silicone. Allow the silicone to cure for approximately 24 hours before use. For shower enclosures, pre-seal the wall connection profiles before final assembly and sealing..

STORAGE AND MAINTENANCE

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The customer is not exempt from a careful examination of the functions or application possibilities of the products by qualified personnel.

Storage

Store tiles flat, or if necessary, store them upright at an angle of approximately 80° against a flat surface.

Maintenance

Cleaning the Smart wall tile is simple and straightforward. The best results are achieved with a non-abrasive fleece microfiber cloth, warm water and conventional washing-up liquid. For tougher stains, standard household, non-corrosive cleaners diluted with water can be used. However, we recommend testing the compatibility of the cleaner on the tile in an inconspicuous area beforehand.

It is recommended to air the area sufficiently after every shower and to clean the tile regularly. When using squeegees, make sure they have a soft silicone or rubber lip. Suction cups on objects (e.g. soap holders) can leave marks due to chemical reactions that cannot be removed. We therefore advise against attaching suction cups. Otherwise, no abrasive agents, brushes or sponges should be used. In addition, do not use thinner or acetone. Cleaning agents with a pH value below 3 or above 10 will damage profiles and coatings.