

GRC Floor Tiles INSTALLATION GUIDE



IMPORTANT INFORMATION

CONSIDERATIONS BEFORE INSTALLING BTX TILES

- Keep packaged until installation.
- Do not force the tiles over uneven surfaces.
- Always store horizontally.
- Do not place loads on the tiles.
- Level the sub-floor correctly before starting the installation.
- Place the tiles on the floor to choose your colour composition.
- Leave at least 5 mm for joints.
- BTX tiles are not rectified, they can have variations of 0.6%.
- Keep your hands clean to avoid staining the tiles.
- Use spacers for joints.
- Plan the installation and necessary cuts.
- Keep the tiles protected during installation and whilst the adhesive is drying.
- Allow sealant to dry for 2 hours between the coats.
- During hot summer days avoid direct sunlight on the tiles and keep the installation area shaded.
- Do not install the tiles in wet weather.
- Do not install the tiles with visible manufacturing defects. Contact your supplier.
- Do not use abrasive products to clean the tiles as they will damage the protective coating and can change the tile appearance.



INSTALLATION GUIDE

- Base: solid concrete screed with flat surface and no loose particles
- There can be no rising or negative humidity
- Verify that the base is leveled
- Allow for the perimeter joints

STORAGE

- Tiles should be kept in a horizontal way in a dry, clean space in the original packaging
- Do not leave the tiles in a vertical or inclined position or leaning against any surface

HANDLING

- Handle in a vertical position, never horizontally
- Keep in the original packaging until the installation
- Do not stand them on the edges

ADHESIVE

- Living Concrete recommends Mapei Keraquick S2 mixed with Latex Plus Admix adhesive and Mapei flexible grout suitable for use with 10 mm trowel. Installation should be made applying adhesive to the tiles and base (smooth trowel on the tile and 10 mm notched trowel on the floor).
- Use Ditra Mat underlay where there is a risk of surface movement: ie new concrete screeds

INSTALLATION USING FLEXIBLE TILE ADHESIVE

- Apply a layer of flexible tile adhesive to the floor with the notched side of the trowel
- Use the 10 mm notch trowel to create ridges
- Ridges should be created along the long side of the tile.
- Never apply the tile adhesive in swirled shape or without notched trowel
- Adhesive application to the tile should be with the smooth side of the trowel covering all surface of the tile



Create ridges along the longest side of the panel



SWIRLED



SPOT BONDING

INSTALLATION GUIDE

GROUT

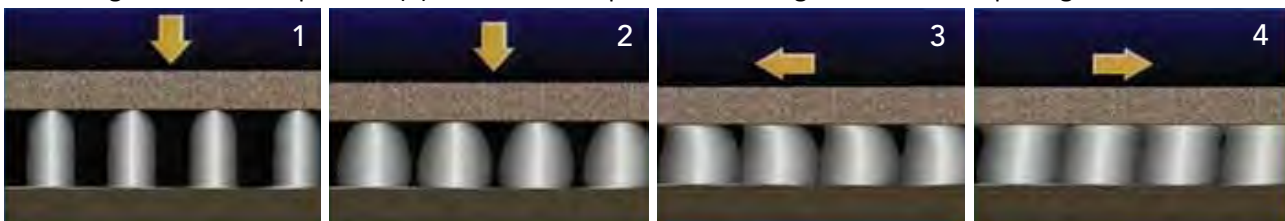
- Mapei flexible grout or other good quality tile grout

INSTALLATION

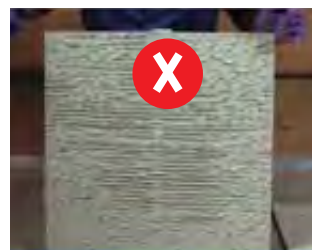
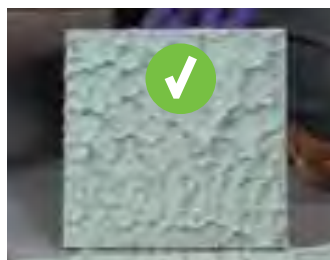
NOTE: For external installations during hot days avoid direct sunlight and use shade protection if needed.

- Ensure that installation surface is clean
- Prepare the adhesive according to the manufacturer's specifications
- Unpack the tiles removing the protective wrapping **ONLY** on the underside of the tile and **NOT** the protective wrapping from the top side of the tile until all tiles are installed.
- Remove top protection once the tile adhesive is set and tiles securely glued the surface
- Apply coat of water based sealer to protect from staining and allow to dry.
- When installing the tile apply pressure from the top to ensure adhesive is evenly distributed in between the tile and base surface to ensure firm bonding as per images below.

Living Concrete Ltd | t: +44 (0)20 3092 3020 | e: sales@livingconcrete.co.uk | livingconcrete.co.uk



- For correct bonding ensure that adhesive covers the entire tile and base surface.



- Leave a minimum of 5mm gap between the tiles
- Cut the tiles using concrete or porcelain cutting tools
- In the case of walls, columns or other vertical surfaces continuous perimeter joints must be left with no less than 8mm wide joint left empty or filled with expanded polystyrene or silicone as an expansion joints

INSTALLATION GUIDE - FLOORS

JOINT GROUTING

- Apply the grout according to manufacturer's instructions
- Apply once Living Concrete water based sealant is dry

SEALING AND PROTECTION

- Once the adhesive is dry apply Living Concrete's water based sealant. Apply sealer with short pile sealing pad, roller or spray gun.
- Allow a minimum of 2 coats for internal and 3 coats for external installations
- Wait for 2 hours between the coats
- After final coat of sealant allow 6 hours before traffic

PATINATING TILES

- Mix the pigment with water
- Moisten a cloth or oakum and put the patina on in the required direction
- Remove excess or remaining patina with a clean dry cloth
- Apply at least 2 coats of protective sealant following the same direction. Do not mix sealant with pigment or this will compromise sealant's durability

MAINTENANCE

- Clean with neutral detergent
- Use wax maintainers or self-polishing cleaners