

Porcelain Tactile Indicators

Installation Instructions

1. Porcelain TWSI must be laid side by side with ≤ 10 mm space between each tile. They must not be butt joined as normal substrate movement will most likely lead to failure.

2. Porcelain TWSI must not be laid into wet concrete as this does not allow a space between the tiles and surrounding surfaces. This type of installation will ultimately result in failure of the product due to expansion and contraction of the substrate. It is recommended that all joints be sealed using a compressible sealant or suitable grouting material.

3. In most circumstances, such as when installing tiles into concrete or bitumen, a 12mm recess must be provided to ensure the tiles are laid flush with the surrounding surface. This is normally achieved by using a suitable template at the concrete/bitumen pouring stage. Alternatively, the existing concrete/bitumen substrate can be saw cut to provide a suitable recess. This is achieved by saw cutting the substrate, making sure to allow for a suitable spacing both between each tile and around the outside of each external tile removing the substrate to a depth of approximately 50mm and refilling with concrete or suitable screeding compound to provide a suitable slab base. Tiles are then laid into this recess using a suitable adhesive.

4. Porcelain TWSI must be installed with an approved adhesive suitable for the sub-floor. The adhesive must be mixed and applied in strict accordance with the adhesive manufacturer's recommended instructions. The adhesive must be spread with a 10mm square notched trowel and the tiles laid into the wet film of adhesive.

5. In order to ensure a successful installation, it is very important to use the correct adhesive coverage and ensure that good transference has occurred between the tile and substrate. When installing Porcelain TWSI, it is critical that the adhesive is spread so that there is 100% transfer to the back of the tile. The tiles should then be lightly pressed into the substrate to assist with adhesive transfer.

Grid sticking or adhering of the corners only must be avoided as this type of installation will reduce the overall strength of the installation and lead to product damage. A careful application of force after laying will ensure the exclusion of air and proper transfer of the adhesive on to the back of the tile. This will provide maximum bond to the sub-floor. Always ensure the adhesive is taken right to the edge of the tile.

6. Floor traffic should be avoided ideally for 48 hours or at least 24 hours after installation to allow for the adhesive to cure.

7. Cementitious adhesive layers must be mixed in the correct proportions of sand, lime, cement, and water to ensure proper adhesion.

8. Excess adhesive must be removed immediately from the surface before curing, using a clean damp cloth (water only). Trying to remove adhesive, once cured, is likely to cause damage to the surface of the tile.

9. If adhesive has been left to cure on the surface, aggressive rubbing must be avoided. Use a damp cloth and try to peel the adhesive away from the surface.