



**STICK a TILE PORCELAIN 12** is a cement-based high strength tile adhesive specially formulated and designed for the fixing of porcelain and other non-porous tiles to all cement-based surfaces as well as other pre-primed surfaces.

Do not use this product on white or light-coloured marble/ porcelain tiles as it might cause a discolouration of the tile. For this purpose, use **STICK a TILE MARBLE FIX**.

**STICK a TILE PORCELAIN FIX 12** is classified as a **C1F** adhesive according to **SANS 52004:2012 / EN12004:2007**.

#### **VOLATILE ORGANIC COMPOUNDS (VOC) CONTENT DATA**

##### PORCELAIN FIX 24:

TOTAL VOC <10g/litre of Product

Calculated according to ASTM 3960-05 on ready to use product and including exempted solvents

All recommendations contained in this document are based on the **SABS 10107:2011** Code of Practice for the Design and Installation of Ceramic Tiles.

#### SURFACE PREPARATION

New floors and walls must be left to cure for the following periods to ensure the tiling application is not compromised:

- New concrete 6 weeks
  - New screeds 4 weeks
  - New render 2 weeks
  - New brickwork 4 weeks
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- Surface must be firm and free of dust, loose particles, mould, oil, grease, wax polish and organic growth. Organic growth must be removed, and the spores killed with an effective fungicide.
  - PVA painted and gypsum plastered surfaces need to be chipped to remove 80% of the paint and gypsum.
  - Enamel painted and bitumen coated surfaces, strip 100% of the coating by scraping and then chip to expose 80% of the substrate to be tiled on.
  - Ensure that existing tiles are firm, clean with a mild acid and rinse thoroughly with clean cold water. Allow to dry thoroughly before tiling commences.





- Smooth off-form shutter or power floated cement surfaces must be cleaned with a mild acid wash to remove laitance, rinse with clean cold water. Allow to dry thoroughly before tiling commences.

**NOTE:** Once the surface preparation has been completed on the above problem surfaces the area must be primed with **STICK a TILE BASECOAT** mixed with **STICK a TILE KEY** to form a slurry, which has to be painted on the substrate with a block brush to a thickness of approximately 2mm. Leave to dry for 24 hours.

### MIXING

- Gradually add 20kg **STICK a TILE PORCELAIN FIX 24** to 5.5 litres of cold clean water.
- Mix to a lump free creamy paste using the correct mechanical mixer or paddle mixer attached to a drill.
- Allow mix to stand for 5 minutes.
- Remix before use.
- Remix every 5 – 8 minutes while in use. Do not add more water or any other substance.
- Do not mix more adhesive than can be used within  $\pm 2$  hour.
- Replace the water mix with **STICK a TILE BOND** when laying glass (not foiled glass) mosaics, where enhanced flexibility is required, in wet or permanently wet areas, where extreme temperature changes are expected, heavy traffic areas, or any other applications as may be recommended by **STICK a TILE**.
- Do not add too much water or attempt to extend the working time by adding more water as this will cause the adhesive to be weak with a tendency to crumble.
- Do not add sand, cement or any unspecified products.

### APPLICATION

- Spread adhesive with the correct notched trowel to a minimum bedded thickness of 3mm on the walls and floors. Heavily lugged, grooved or dovetailed tiles must be buttered with adhesive before placing into wet adhesive.
- Press tiles firmly into wet adhesives with a twisting action. Use a rubber mallet to bed tiles.
- Apply only as much adhesive as can be tiled in 20 - 25 minutes to prevent the adhesive from “skinning” before the tiles are applied.
- Occasionally lift a tile to check if full contact (100%) is being made between the tile and the adhesive.
- **DO NOT** soak tiles before laying, use only dry tiles.
- Remove excess adhesive from joints and tiled surface before drying has occurred.





### GROUTING

- Grouting joints must be free of any foreign matter (i.e. dust, adhesive etc.) Allow adhesive 24 hours before grouting with **STICK a TILE GROUT**.
- Minimum grouting joints for porcelain wall and floor tiles is 3mm.
- **Do not butt joint tiles.**
- In wet or permanently wet conditions, heavy traffic areas, or where some flexibility is required replace the water in the mix of **STICK a TILE GROUT** with **STICK a TILE BOND**.

### GENERAL

- Tile panel movement joints must be provided for in all directions at maximum 5 metre centres for interior applications, and maximum 3 metre centres for exterior, suspended/pre-stressed applications or where flexing is likely to occur. Movement joints should be filled with a flexible sealant.
- In addition, movement joints should be located around any fixtures protruding through the tiled surface such as columns or stairs. These joints must be at least 5mm wide and extend through the tile and tile adhesive layers and must be filled with a flexible sealant.
- All structural movement joints must be carried through the face of the tile and adhesive bed and filled with a flexible sealer. Alternatively, an expansion joint trim can be used on all expansion joints.
- Perimeter joints must be present between all tiles and walls, door frames, etc, be at least 5mm wide and filled with a flexible sealer.
- Tiles must be firmly bedded into adhesive and have 100% contact with the adhesive.
- Do not soak tiles before use. Tiles used must be dry and free of dust.
- Grouting joints must be free of any foreign matter (i.e. dust, adhesive etc.)
- Allow adhesive 12 hours to dry before grouting with **STICK a TILE GROUT**.

### COVERAGE

Depending on the nature and evenness of the surface and method of application, approximately 6m<sup>2</sup> per 20kg bag when applied using a 6mm notched trowel (wall) and 4m<sup>2</sup> per 20kg bag when applied using a 10mm notched trowel (floor).





### PRODUCT PROPERTIES

Open time:	±25min at 20°C
Correction Time:	±30min at 20°C
Final Setting Time:	24 hours at 20°C
Pot Life:	±3 hours at 20°C
Application Temperature:	Do not apply below 5°C or above 30°C
Shelf life:	6 Months from production
Storage:	Store product in a dry and covered area at temperatures between (10°C and 30°C ). Do not store directly on floor surface. Avoid large changes in temperature and humidity in storage environment.

### GUARANTEE

We guarantee that **STICK a TILE** products meet the required specifications and will be free of defect. Any guarantee regarding the performance of **STICK a TILE** product will be subject to the professional and practical application of **STICK a TILE** product in accordance with our instructions and specifications. The guarantee would become void should the **STICK a TILE** product be contaminated or altered by the addition of cement, sand, or substance other than recommended by us.

We have no influence over specific site conditions and therefore, if in doubt, the user should first carry out sufficient tests to ensure that the product is suitable. In special cases, obtain professional advice from the **STICK a TILE** technical department.

**NOTE:** We required to be informed within a reasonable time of suspected defect/s and afforded the opportunity, and time, to investigate the problem in detail. **NO** remedial work is to commence until our final findings and assessments have been made in writing.

### WARNING

Do not ingest. Keep away from children and pets. Do not empty in drains. Contact STICK a TILE for further Health and Safety Information.





### PRECAUTIONS

In the event of contamination, rinse thoroughly with cold clean water and seek medical assistance if irritation or discomfort should occur. Wear the appropriate safety equipment, rubber gloves, a mask and ensure the area where the product is been used is well ventilated.

### IMPORTANT NOTICE

The information supplied by **STICK a TILE** on this data sheet is deemed correct and is supplied as a guideline only. **STICK a TILE** does not accept any liability for any injury, damage or loss resulting in the use of this product.

**STICK a TILE** reserves the right to change the information on this data sheet as and when deemed necessary.

For detailed specifications on the product usage contact **STICK a TILE** on:

Tel: (011) 626 1981

Email: [info@stickatile.com](mailto:info@stickatile.com)

