

Polymer Modified Cementitious Tile Adhesive

DESCRIPTION	Tile Fix TS 101® is a polymer modified single component cement based adhesive for permanent fixing of tiles
Uses	Tile Fix TS 101® is suitable for fixing: ➤ Wall and Floor tiles ➤ Insulating and acoustic boards ➤ Marble and Mosaics
Advantages	➤ High Bond Strength ➤ Easy To use ➤ Excellent workability ➤ Non-toxic ➤ Suitable for Indoor & Outdoor application
Compliance	Complies with BS EN-12004:2007

MATERIAL DATA

Type	Polymer modified Cement base
Form	Standard Grey / White Color
Packing	20kg bag per Pack
Storage Condition	6 month in unopened packaging, between 5°C and 35°C

TECHNICAL DATA

Dry Bulk Density	1450 ± 100 Kg/m ³
Wet Bulk Density	1650 ± 100 Kg/m ³
Mixing Ratio	15-25% cold potable water by weight per pack or 3.0-4.5 liter of water per 20kg pack
Setting time	>20 minutes
Coverage	4.5 – 6.5m ² @2-3mm thickness
Adhesion	0.7 N/mm ² (7days) 1.6 N/mm ² (21days)
Temperature	5°C Minimum & 35°C Maximum (Substrate) 5°C Minimum & 35°C Maximum (Ambient)
Surface Situation	Cement-based substrate age must be at least 28 days.



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APPLICATION DETAILS

Surface Preparation Substrate should be sound, clean and free from dirt, dust, laitance and all loosely adhering particles. Absorbent cement-based surfaces should be thoroughly saturated with water to achieve surface saturated dry condition.

Application Apply **Tile Fix TS 101®** directly to the prepared concrete substrate, using a notched trowel and spread the mortar evenly over the area to be tiled. Cover only an area that can be tiled within 15-30 minutes. 20 kg will cover approximately 4.5-6.5 m² at 2-3 mm thickness depending on surface.

Joints:

It is recommended that when fixing tiles, a minimum spacing of 1.5-2mm be left around each tile.

Finishing:

Remove excess adhesive with damp cloth before material setting. Grouting may commence 24 hours after tile fixing have been set.

Method of application:

1. Use 3.0-4.5 liters of clean water per 20 kg pack
2. For large volume mixing use a low speed drill and mix it for 3 min
3. Size of trowel differ with the size of tiles used, the bigger the tile the bigger the trowel
4. Tiles should be placed firmly over wet adhesive and within 2 minutes from trowel application

Curing Light water fogging should be used over a period of 48 hours if the ambient condition of the surface exceed the limited degree recommended

SAFETY

Protection Measures **Tile Fix TS 101®** is cement-based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- Splashes to skin must be washed off with water and Soap
- Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory

Toxicity **Non-Toxic Material**

Transportation **Non-Hazardous Material**

Important Notice:

The above data is based on our experience and extensive laboratory tests. It may be considered to be a general advice only and cannot be granted to meet the requirements for all the intended uses. It is the responsibility of the end user to ensure that the product is suitable for the purpose for which he wishes to use it. In view of many varying factors that are encountered during the application of the product it does not exclude the end users from not conducting their own test before actually using the product. We are thus only responsible for the quality of the product itself and not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product. Any such matters should be specifically agreed to in writing by us. Bayshield reserves the right to modify the contents of the data sheet from time to time without notice as a system requirement in updating our products from time to time.