



High Tech 033



High Tech 033 is a thin set waterproof tile adhesive designed for the fixing of thin glass and mosaic tiles at a bed thickness of 2mm and below. This tile adhesive is specially formulated for applications in wet areas where thin tiles to be applied. **High Tech 033** is an extremely versatile and durable and a highly polymer modified tile adhesive for internal and external applications. **High Tech 033** can easily be applied using the application spectrum as defined by BS EN 5385-1.

ADVANTAGES

- ✓ Crack resistant.
- ✓ Non yellowing mortar.
- ✓ Dampness resistant.
- ✓ Longer open time.
- ✓ Salt free mix.
- ✓ Excellent workability.
- ✓ High bond strength.
- ✓ Slip resistant.
- ✓ Longer adjustment time.
- ✓ Waterproof.

SURFACE PREPARATION

All loose particles and oil shall be cleaned off the surface prior to the application. For hot climatic conditions, the surface may be dampened with potable water. Application on most type of cementitious surfaces like block work, concrete and rough plastered surfaces is possible, however for thin bed applications a leveled rough plastered surface is recommended. The surface should be sufficiently aged (At least 7 days for newly erected masonry surface and freshly plastered surface) before the installation of the tiling may begin. It is also recommended that expansion joints should not be tiled over, and suitable treatment should be done over them. Highly absorbent surfaces should be dampened before spreading **High Tech 033**. Defective and unsound surfaces should be repaired before the installation of the tiles. It is also important to ensure that there is no dust at the backs of the tile, otherwise it may cause hollow sounds and improper adhesion of the tiles to the substrate.

PRODUCT PREPARATION

It is important that water is premeasured in accordance with the amount of material used. The Mortar powder should be added over the water to avoid the settlement of the material at the bottom of the mixing container. The Mixing container should be uncontaminated, non-corrosive and clean. Only potable water should be used for mixing. It is also recommended that the material should be mechanically mixed with a mortar mixer or other mechanical mixing methods to obtain a consistent lump free mix.



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APPLICATION

Buttering of the material onto the back of the tiles is usually not recommended as it this may cause poor adhesion. Spread the material evenly onto the surface using a suitable straight edge trowel & then notch immediately. To ensure good bonding, it is recommended not to spread the material more than 1m² at a time as the mortar may dry up resulting in poor adhesion & causing difficulties in application. After the application & levelling of the mortar, the tiles should be firmly knocked into the position. Adjustment of the tiles should be done at a maximum of 20 minutes after application.

TECHNICAL DATA

Appearance	White Powder
Composition	Contains cement and selected aggregates along with additives to improve consistency, workability, and durability.
Maximum aggregate size	0.6mm
*Water application	25% ± 5%
*Pull o strength	1.25 N / mm ² @ 28 days (Tested as per EN 12004-2:2017)
*Slip Test	Non-Slip (Tested as per EN 12004-2:2017)
*Open time	20 Min (Tested as per BS EN
*Water Retention	99.4%
*Approximate Yield	0.84m ³ / T

*Typical results under laboratory conditions
These results comply with BS EN 12004 Type C Class 2T

SHELF LIFE

Expiration of **High Tech 033** is at 12 months after production date under dry and sheltered conditions.

PACKAGING

High Tech 033 is available in 20 KG Bags.

HEALTH AND SAFETY

High Tech 033 is regarded as non-hazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to the MSDS of the product for further health and safety information.

NOTE

High Tech 033 is only recommended for extremely thin applications, if the mortar bed size is exceeding 4mm notched, Other cementitious tile adhesives in the range of High Tech 033chem should be used.



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NOTE:

If printed bags are not available, neutral bags with label. Lot number and manufacturing date to be stamped at the back of each bag.



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