

TILE POXY

High Performance Epoxy based Tile Adhesive

Description

TILE POXY is a three-component epoxy adhesive mortar, composed of epoxy resin with chemical additives, silica fillers and hardener. Once the three components are mixed, the product becomes workable thixotropic adhesive.

TILE POXY has high adhesion, excellent chemical resistance, mechanical strength and water impermeable.

Features & Benefits

- Ready mix, easy to use.
- Water impermeable and vapor barrier.
- Excellent bonding strength.
- Crack and shrinkage free.
- Sag resistance property.
- Environment friendly
- Excellent chemical resistance.
- High mechanical properties

Uses

TILE POXY is used for internal and external fixing of ceramic tiles, all types of mosaics, porcelain, natural stones, large size tiles etc. on both walls and floors.

TILE POXY can be applied on all types of substrates including cement plaster supports, concrete, wood, metals, asbestos-cement, plaster, plasterboard, and bituminous membranes.

TILE POXY can be used as a tile adhesive wherever excellent mechanical properties, chemical resistance, and hygienic environment are required. This includes chemical factories, food production and processing, catering facilities, electrical and mechanical rooms, services facilities, laboratories, petrol and power stations, etc.

Technical Properties

Appearance	Thixotropic paste
Color	White or Light grey
Mix Density	1,650 Kg/m ³ approx.

Pot Life	60 min @ 25°C
Compressive strength	70 N/mm ²
Flexural Strength	30 N/mm ²
Tensile Strength	14 N/mm ²
VOC	<100 g/L
Adhesion Strength	≥3.0 N/mm ²
Shear Strength	
Initial bond	7.2 N/mm ²
After thermal shock	4.5 N/mm ²
After immersed in water	4.3 N/mm ²
Slip resistance	≤0.5mm
Shrinkage	None
Water absorption	None
Resistance to chemicals	Excellent
Ready for light traffic	After 24 hrs
Full curing	7 days @ 25 °C
Service temperature	-5 to +85 °C

All values are subject to 5-10% tolerance

Standards Compliance:

- EN 12004 R2T
- EN 12808
- ISO 13007
- BS 5980 type 5 class AA
- ANSI 118.3

Application Procedures

Surface preparation:

Surface must be solid, compact, free from dust, grease substances and inconsistent parts. New cement supports must be totally dry otherwise **TILE POXY**'s adhesion will be greatly compromised. Metal surfaces must be free from greasy and rust.

Mixing Instructions:

Pour component B (hardener) into component A (base), and carefully mix manually or with a low turn's electric mixer (200 – 300 per minute) until a homogeneous

mixture is obtained. Then add component C (filler) and mix the product for 3-5 minutes until a uniform lump free consistency is achieved.

Application Instructions:

Apply the product onto the support with a toothed trowel, spreading first with the smooth part of the trowel, and then with the toothed one in an average thickness of 3mm. Apply sufficient pressure on the tile during fixing it with slight twisting movement in order to ensure good contact with the adhesive.

Apply enough material that can be tiled during the adhesive's pot life.

The allowed temperature of application is from +10°C to +40°C.

Remove excess adhesive with cloth wetted with warm water before adhesive dries.

The execution of the joints may be executed after 12 hours from fixing the tiles. Final hardening is about 7 days.

Yield/ Coverage

3 – 4 kg of **TILE POXY** per m² at application thickness of 3mm depends on type of tiles and surface conditions.

Packaging

TILE POXY is available in 4Lt & 10Ltr three-component kits.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.



SBI products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All SBI datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.

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