

TECHFIN GP EPOXY

HIGH STRENGTH, NON-FLOW, EPOXY BEDDING AND REPAIR MORTAR

DESCRIPTION

TECHFIN GP EPOXY is a non slumping epoxy bedding compound and adhesive. It is a two component, fine filled, fast curing material, ideal for a variety of bedding, gap filling and concrete repair applications. TECHFIN GP EPOXY is a stiff but workable compound that can be applied by either trowel, spatula or knife. It cures to give high mechanical properties typical of epoxy compounds. It is resistant to oils, grease, petroleum, salts, many acids and alkalis. It does not shrink on curing, and is designed to be used when cured from below freezing point to 60°C. It is impact resistant and exhibits mechanical strength greater than that of concrete. For surface repairs of fine cracks and spalls. For gap filling, grouting, bedding fixtures etc. For repairs to rises without the use of form work.

APPLICATIONS

- As a repair for damaged and spalled concrete, plaster lime, gypsum finishes, chipboard, timber, plywood, asbestos cement, terrazzo, iron and light steel.
- Ideal for repairing nosing on stairs and broken edges on columns
- Gap filling adhesive and repairs to honeycombing concrete in horizontal, vertical and overhead applications
- Fixing of tiles including natural stones in swimming pools, spas, breweries, dairies, abattoirs etc.
- Fixing of surface ports for crack injection, bolts in walls and anchoring
- Ideal for horizontal grouting and vertical doweling

ADVANTAGES

- High strength
- Non-slump
- Excellent adhesion
- Impact resistance
- Chemical resistant
- Non-shrink
- Easy to use
- Improved strength and waterproofing capabilities
- No priming required

PACKAGING

TECHFIN GP EPOXY is supplied as prepacked 3kg kits

TECHNICAL DETAILS

COLOUR : Various
POT LIFE : 60 minutes
SET TIME : 8 hours at 25°C
CURE : Practical 24 hours, full 7 days
APPLICATION TEMPERATURE: 10 - 35°C
SERVICE TEMPERATURE : 70°C dry; 50°C wet
COVERAGE: 3Kg is sufficient to cover 1.1 m² at 1,5mm thickness

DIRECTIONS

Mix the two components in the quantities supplied until a uniform colour without streaks is obtained with the aid of a suitable mechanical mixer fitted with a paddle. Surfaces should be dry, clean and free from dust, grease and any residual build-up. Ensure smooth surfaces are roughened, especially metal surfaces. Paint and lime-wash must be removed.

REPAIR WORK

Surfaces should be dry, clean and free from dust, grease and any residual build-up. Ensure smooth surfaces are roughened, especially metal surfaces. Paint and lime-wash must be removed.

DOWELING

Ensure the drilled hole is 2mm in diameter wider than the rod and free from dust and water (can be damp but not wet). Press TECHFIN GP EPOXY into holes and then fit the rod into the hole, expressing the excess TECHFIN GP EPOXY out around the rod. Wipe away the excess TECHFIN GP EPOXY and, if necessary, secure the rod until the TECHFIN GP EPOXY has set (8 hours).

TILE FIXING:

Using a 5mm x 5mm notched trowel or a 3mm x 3mm notched trowel for small mosaics, apply a full coverage of the substrate and then press tiles into the epoxy mortar bed. Push into position and adjust. Apply all the mixed TECHFIN GP EPOXY immediately after mixing in one operation. Should the substrate not already be pre-treated for special conditions e.g. in spas and swimming pools, a base layer of 1mm thickness must be applied to the entire surface,

smoothed off and dry (approx. 12 hours) prior to the tile fixing operation.

TILE GROUTING

Use TECHFIN TILE GROUT NJ. Mix thoroughly in supplied ratio until the paste is an even colour without lumps or streaks. Use a plastic or steel spatula for grouting. Remove excess TECHFIN TILE GROUT NJ on the tiles by using a sponge pad and water while grouting. Grout from the base upwards to prevent air entrapment.

WATCH POINTS

- Cure is greatly retarded at low temperature.
- Wear protective clothing and gloves.
- In case of eye contact, wash well with clean water and obtain medical assistance.
- Clean all equipment immediately after use with warm soapy water or lacquer thinners.

PRECAUTIONS

Porous tiles may need to be pre-sealed to prevent absorption of the TECHFIN GP EPOXY into the tiles and resulting in staining upon curing. Spilt or unwanted TECHFIN GP EPOXY should be cleaned up immediately as it is difficult to remove once hardened.