

ALEXTILE EPH



High Performance Epoxy Tile Adhesive and Grout

Description

ALEXTILE EPH is a 3 component solvent free epoxy resin based adhesive consisting of white base, black hardener and specially selected filler. The components are mixed together to give a smooth non-slump paste adhesive used as epoxy tile adhesive with high bond for both concrete and steel.

Uses

Chemical resistant adhesive and grout for bonding quarry and ceramic tiles to concrete or steel. Also suitable as a multipurpose adhesive for bedding and repair of concrete.

Advantages

- Chemical resistant-highly resistant to a wide range of industrial chemicals (sewage-urine-dilute acids-salt water Alkalis-oils-battery acids).
- High bond strength-Good adhesion to steel, concrete and tiles.
- Will not support bacterial growth in kitchens, Swimming pools etc.
- Suitable for vertical and horizontal applications in interior and exterior locations.
- Waterproof –Unaffected by water when cured.
- Long work life-Minimizes pot life problem and gives long adjustability time for walls and floors.

- Easy to clean up during application-can be washed off with water until initial set.
- Easy to apply –fast application possible.
- Protect substrates from chemical attack including acids.

Surface preparation

The surface must be clean and free from dust, loose particles and grease. Oil and grease contaminated concrete surfaces should be treated with ALEXCHEM degreaser and then washed well with clean water.



Properties

Colour	Brick red,white,grey ,beige	
Pot life	60 min	25°C
	30 min	40°C
Specific gravity	1.85	25°C
Open time	2hours	20°C
initial cure	24hours	25°C
Tensile strength	15N/mm2	5°C
Shear strength	5N/mm2	
Flexural strength	22N/mm2	
Compressive strength	80N/mm2	
Water absorption	0.3% after one day	

Standard:

ASTM C109
ASTM C307

Guide to application

Mixing:

The base and hardener components should be individually stirred to redisperse any settlement. Base and hardener should then be mixed until a uniform grey paste is obtained. The filler should then be added during mixing with a slow speed drill for 3-5 min.

Application:

The mixed adhesive should be spread over the surface using a trowel or comb. Tiles should be placed within the open time of the adhesive.

Coverage:

A 12 kg pack will cover 6.0 m² at 1 mm average thickness.

Storage:

Store out of direct sunlight, clear of the ground on pallets protected from rain fall.

Protect from extremes of temperatures.

Packing:

Is supplied in 12 kg pack containing Base, Hardener and aggregate gives approximately 13.8 lit mixed material.

Shelf life:

Up to 12 months if stored in unopened containers according to the manufactured instructions

Safety precautions:

- Avoid contact with eyes, mouth, and skin.
- Treat splashes to eyes.
- It is flammable and smoking or any naked flames are not allowed during application or any naked flames.

Guarantee:

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

Technical Service:

For any technical advice for using the **ALEXCHEM** contact the technical office.

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