

EPTILE

Epoxy tile grout



Description:

EPTILE is a 3 component solvent free epoxy resin based grout consisting of a white base, a black hardener and specially selected fine fillers. The grout is extremely durable and almost completely stain proof. EPTILE is viscous, packable material that can be used to fill the space between tiles for bonding them or to create a water-tight seal. Suitable for use in joints from 2 to 20 mm.

Uses:

- Laboratories
- Food processing plants
- Hospitals, abattoirs
- Kitchen and swimming pools etc.
- All types of low and high rise buildings tiles grouting where there is chances of abrasion
- For filling quarry and ceramic tile joints where chemical and abrasion resistance properties are required

Advantages:

- Easy for fast application
- Better durability
- Waterproofing effect
- Easy to clean-up during application can be washed off with water until initial set
- Can be used for both interior and exterior uses
- Excellent resistance to acid and alkalis
- High bond strength to steel, concrete and tiles
- Attractive colours are available on request for sufficient quantity

Product Standard Compliance:

- HACCEPC regulation no.852/2004

Company Standard Compliance:



Technical Information:

Properties	Specification
Color	Wide Range of Shades Available
Sp. Gravity	2.2
Pot life	2 hours @ 20°C 1 hours @ 35°C
Initial set	8 hours @ 20°C 4 hours @ 35°C
Compressive strength	72N/mm ²
Bond strength	7N/mm ²

Application Procedure:

- It is important that surfaces should be clean and free from dust, loose particles and grease. Oil and grease contaminated concrete surfaces should be washed well with clean water.
- Base and hardener should be stirred individually to

disperse any settlement and then be mixed until a uniform grey paste is obtained.

- The mixed grout should then be applied with rubber trowel, sweeping the grouting paste into the joints. Ensure that all the joints are completely filled.
- Clean the excess grout with a sponge and warm water to provide neat finish surfaces.

Benefits:

- **Enhanced durability:** EPTILE reduces the permeability and increases the resistance to weathering and enhances the durability.
- **Compressive strength:** EPTILE improves the strength between tile joints as it contains special filler material with epoxy resins which prevents water penetration and enhances bond strength as well compressive and tensile strength.
- **Colours:** Wide ranges of colours are available as per our choice we can choose the shades.

Chemical Resistance (EN 12808-1)

Solvents	Permanent Contact	Occasional Contact
Acetone	*	*
Ethyl Alcohol	*	**
Benzol	*	**
Chloroform	*	*
Methylene Chloride	*	*
Ethylene Glycol	***	***
Perchloroethylene	*	**
Carbon tetrachloride	*	**
Tetrahydrofuran	*	*
Toluol	*	**
Trichloroethylene	*	*
Xylene	*	**

Legend *** Excellent

** Good

* Poor

Resistance to Stains (EN 10545-14) :

Staining Agents	Time exposed to staining agent	
	24 hours	30 min.
Mineral Oil	A	A
Red Wine	A	A
Tomato Ketchup	D	A
Mascara	C	A
Coffee	D	A
Hair dye	E	D

Legend

A Can be cleaned under a running hot tap while gently rubbing with a sponge.

B Can be cleaned with a mild detergent while gently rubbing with a sponge.

C Can be cleaned with a basic detergent while vigorously rubbing with a sponge.

D To clean, treat first with a solvent or aggressive acid or basic solution, then vigorously rub with a sponge.

E Cannot be cleaned by any of the aforementioned methods.

Packaging:

EPTILE is supplied in 1, 5 & 20 Kg pack.

Storage & Shelf-life:

Minimum of 36 months shelf-life if kept under room temperature (i.e. 27°C).

Health & Safety:

Specific care and attention should be paid to handling, storage and spill response of this product. Skin contact should be avoided. Any splashes should be washed well with water. If contact with eyes occurs wash immediately with water and take medical advice.

	It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.
	ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.
	ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.
	ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

	This symbol is used to identify Redwop products which give off a low level of volatile organic compounds(VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.
	Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
	ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

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