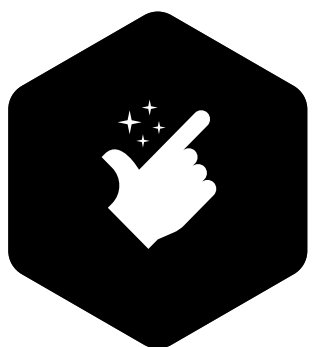


pamr

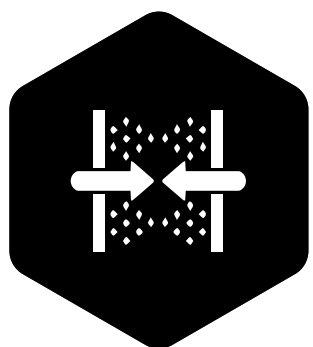
CreteCent
Tile & Stone Fixing Science

GROUTON EPOXY 2K

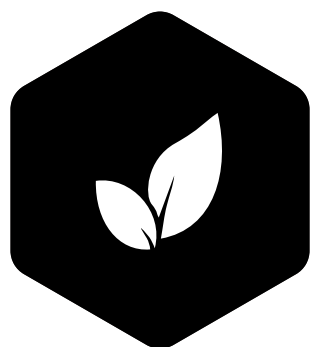
Solventless High Strength Epoxy
Tile Grout



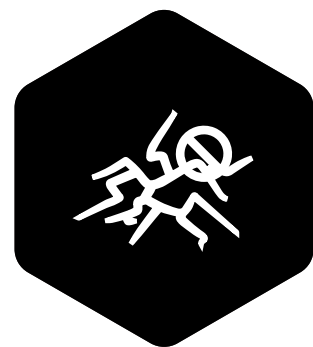
EASY TO CLEAN



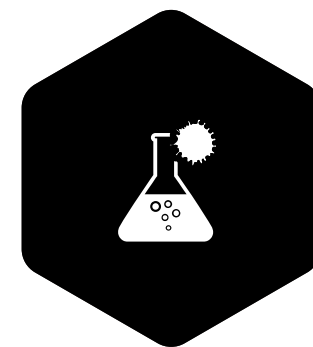
NON-SHRINKING



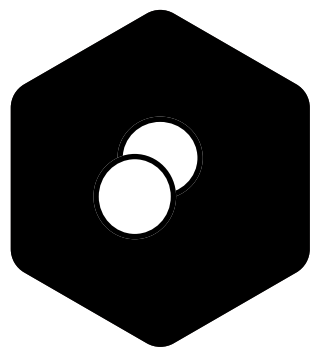
ECONOMICAL



NON-CRACKING



LOW VOC



UNIFORM COLOUR

INTRODUCTION

GroutOn Epoxy 2K is a 2-component thixotropic nonsagging epoxy grout for filling joints of various types of tiles like ceramic, vitrified glass mosaic, marble, granite stone, etc. The cured **GroutOn Epoxy 2K** is resistant to a wide range of chemicals, wear and abrasion, stains, and water penetration through the joints.

Part A: Base: Available in various coloured paste forms;

Part B: Hardener: A light yellow-brownish liquid.

Technical Data	
Solid content % (w/w), IS 101	>100
Mix Ratio by wt. Base: Hardener	925:75
Pot life at 25°C minutes, ASTM C 881	~60
Relative Density of mixed material, 30°C, IS 101	1.8±0.3
Sag Flow, mm, FIP 9/2	No sag
Foot Traffic	After 12 hours
Full Traffic	After 2 days
Compressive Strength at 30° C, 7 days, N/mm ² BS 6319 Part 2	>70
Shear Strength, N/mm ² , ASTM C 882	>14 (concrete failure)
Chemical Resistance, Inorganic alkali and acid solution (10%)	No change
Recommended Joint width	3mm to 12mm
Available Shades	30 shades
Flexural Strength, N/mm ² , 7 days, 30° C, BS 6319 Part 7	>35
Flexural Strength, N/mm ² , 7 days, 30° C, BS 6319 part 7	>15
Pull - off Adhesion, N/mm ²	Pull -off Adhesion, N/mm ² t

METHOD OF USE

Mixing

GroutOn Epoxy 2K is supplied in pre-measured quantities. Mix full quantity of hardener with a full quantity of resin. Mixing can be carried out at a slow speed (250–400 rpm) portable, small paddle mixer for 1-2 minutes. For manual mixing, remove the base (resin) from the pouch on a non-absorbent flat, smooth surface (e.g., 600mm x 600mm vitrified tile). Spread the component, Part A (each pouch, 925g) in a circular pattern with the help of a putty blade or trowel with a diameter of 250–300 mm. Add the hardener evenly distributed on it and mixed with a putty blade or trowel. Continue mixing until an evenly smooth paste is formed. The mixing should be completed in 3-6 minutes.

Mixing

GroutOn Epoxy 2K is supplied in pre-measured quantities. Mix the full quantity of hardener with the full quantity of resin. Mixing can be carried out with a slow-speed (250–400 rpm) portable small paddle mixer for 1-2 minutes. For manual mixing, remove the base (resin) from the pouch on a non-absorbent, flat, smooth surface (e.g., 600 mm x 600 mm vitrified tile). Spread the component, Part A (each pouch weighing 925 g), in a circular pattern with the help of a putty blade or trowel with a diameter of 250–300 mm. Add hardener evenly distributed on it and mix with a putty blade or trowel. Continue mixing until an evenly smooth paste is formed. The mixing should be completed in 3–6 minutes. Mix only sufficient materials for immediate requirements.

Application Areas

It is used for walls, balconies, floors, internal and external areas, and stair tiling. It can be used for filling joints of glazed wall tiles, glass mosaic tiles, semi- or fully vitrified tiles, natural or artificial or engineered stones, etc.

Application

Spread the grout along with the cleaned joint groove firmly with the grout floater. Ensure the joint is filled and the grout does not remain on top of the joint. Scrape the excess grout from the tiles with the edge of the grout float or putty blade. Hold the float at 90° and pull it at a 60° to 45° angle across the joints of the tiles to avoid pulling grout from the joints. Work in small areas to avoid setting excess grout before cleaning.

Cleaning

Initial Cleaning: Clean excess grout from the joints and adjoining area within 30-45 minutes after application. Use a damp sponge in a circular motion, ensuring the grout does not pull off from the joints.

Final Cleaning

Before final cleaning, ensure that the grout is set (it takes 60–90 minutes, depending on the ambient temperature). Use plenty of water mixed with domestic detergent powder or soapy water to clean the left-over grout from tiles, and change the water, cloths, and sponge frequently.

Advantages

- Solvent-free system—no shrinkage.
- High pot- life enables sufficient time for application.
- Suitable for dry and slightly damp surfaces.
- Early high strength: minimum waiting time.
- Very high strength.
- Easy maintenance
- Compatible with acidic and alkaline tile cleaners.
- Provides watertight joints.
- Non-absorbent—therefore, no growth of algae, fungi, or moulds.
- All colour shades are colourfast.
- Very high mechanical properties ensure long-lasting joints.
- Contrasting coloured parts (white and black) help to detect uniform mixing.
- No slump (no sagging)—suitable for vertical, overhead, and horizontal applications.
- Cured resin is resistant to a wide range of acids, alkalis, inorganic, and organic compounds.

Precautions

- Mix base and hardener as per the recommended proportion. Do not use part-mixing.
- Do not apply to wet surfaces. The dew point at the time of application must be at least 3°C below the surface temperature.
- Use masking tape along the joints while working on unglazed tiles, porous stones, or natural stones.
- Do not dilute GroutOn Epoxy 2K with any other liquid.

Shelf life & Storage

12 months from the date of manufacturing and kept in the sealed containers under cover in a dry place under normal temperature condition from +5°C to 40°C.

Safety

- Wear the appropriate PPE when handling it.
- Keep it out of the reach of children.
- Avoid direct skin contact.
- In cases of skin contact and eyes, wash with plenty of water.
- Some people are allergic to epoxy; if some rash or etching happens, seek medical advice.
- For more information about safety, refer to the MSDS.

Packing

Base: 4kg; Hardener: 1kg; 10kg Carton Box.

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, in any case it cannot be considered as a warranty involving our liability in case of misuse or any different use of our products from the “Application” paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website www.pamrindustries.com