



Complete Tile Fixing Solution



EPOXY GEL

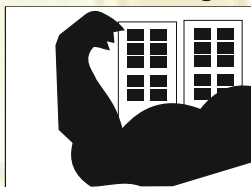
IT IS USED FOR FILLING STONE JOINTS. IT HAS NON-YELLOWING PROPERTY. IT CAN BE FILLED IN VERTICAL SURFACES.



Latest Technology
Value For Money



Durability



Reliability



Resists Algae &
Fungus Growth



Home Pride Epoxy Gel

Properties :

Home Pride Epoxy Gel is a solvent free , two component adhesive based on a epoxy resin mixed with polyamine hardener. The product have following properties

- ✓ Easy colouring with colouring paste
- ✓ Very low tendency to yellow
- ✓ Low shrinkage during the hardening process therefore low tension in the bounding layer
- ✓ Creeping strength is very high due to gel like property & low tendency to fatigue
- ✓ Good dimensional stability of the bounding layer
- ✓ Good adhesion on slightly humid stones

Application areas

Application areas of Home Pride Epoxy Gel are as follows:-

- ✓ stone-working industry for the weather – resistant bounding and gluing of natural stone like marble & granite.
- ✓ Techno ceramics as well as artificial stone
- ✓ Building material (terrazzo , concrete)
- ✓ It is nevertheless possible to attain thin adhesive joints
- ✓ Home Pride Epoxy Gel can be used to glued of Plastics (hard PVC , polyester , polystyrene ,ABS ,Polycarbonates)
- ✓ Paper , wood glass and many other materials.

Note – Home Pride Epoxy Gel is not suitable for butyl rubber , silicones , hydrocarbon fluorides (Teflon) , soft PVC , soft polyurethane, polyolefins (polyethylene , polypropylene)

Application

- ✓ Clean and slightly roughen surface to be bonded.
- ✓ Mix component A & Component B by Volume or Weight in ratio 2:1 until homogeneous shade of colour is achieved .
- ✓ Colouring past can be added up to 5% maximum .
- ✓ Pot life of mixture is approx 20-30 minutes at 20 °C, use mixture within 20 minutes.
- ✓ And bonded parts may be moved till 5-6 hr at 20 °c
- ✓ Maximum stability after 7 days at 20 °C
- ✓ Hardening of bonding layer can be accelerated by heat and delayed by cold.

Packaging

1 kg and 5 kg

Precaution

- ✓ Right mixing ratio of Component A and Component B obtain optimal mechanical and chemical properties .Alteration in mixing ratio can cause of mechanical and chemical properties and discoloration in the marginal zone.
- ✓ Mix adhesive is no longer to be used if it has already thickened
- ✓ Used two separate spatulas for component A & Component B.
- ✓ Home pride Epoxy gel is not to be used at temperatures below 10 °C because it will not sufficiently harden and above 500C the hardened adhesive tends to yellowing.
- ✓ The component A slightly tends to crystallize (honey effect). Product can be workable again by warming it up.
- ✓ Hardened adhesive cannot removed by apply of solvent . this can only be achieved by mechanically or by applying higher temperature (> 200°C)
- ✓ Stability of bonding strength is depend the nature of stone like The tendency of bonding strength of silicate bound stone is more than carbonate bound stone .

Technical Specification

Physical State	Component A	Liquid
	Component B	Liquid
Colour	Component A	Transparent
	Component B	Transparent
Density	Component A	1.18 g/cm ²
	Component B	1.14 g/cm ²
Mixing ratio	A : B	2 : 1
Working time of mixture	10°C	60 -70 Minutes
	20°C	20-30 min
	30°C	10 – 15 min
	40°C	5 – 10 min
Mechanical property	Tensile Adhesive strength	35- 70 N/mm ²
	Sear adhesive strength	62-75 N/mm ²
Chemical resistance	Water absorption	<0.3 %
	Salt water	Stable
	Sodium chloride solution 10%	Stable
	Soda lye 10%	Stable
	HCL 10%	Stable
	Acetic acid10%	Conditionally Stable
	Formic acid 10%	Conditionally Stable
	Petrol	Stable
	Diesel	Stable
	Lubricating oil	Stable

Storage Information

Store in cool & Dry (5-24 °C) in its original closed container shelf life up to 24 month (2 Year).

Health Precautions

1. This product contains Resin
2. This product can be irritating to eyes and skin
3. Avoid eye contact and prolong contact with skin
4. Wash thoroughly after handling
5. wear a P2 type respiratory mask
6. Gloves ,Goggles and Dust mask should be worn
7. If eye contact occurs flush with water for 15 minutes and consult with physician
8. **Product only for professional use.**

For farther and complete information about the safe handling of our product please refer to the latest version of our material safety data sheet.



Customer Care



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Home Is Everybody Pride So, Make Sure You Use Home Pride

