



FLAG STONE FIX
STONE CARE EXPERTS



Technical Data Sheet (TDS)

Flagpox 1005

PRODUCT DESCRIPTION

Flagpox 1005 is a fluid, two-component epoxy resin system with modified amine hardener, used for firmly filling cracks and large pores.

SPECIAL FEATURES

Flagpox 1005 is mainly used in the stone-working industry for strengthening and surface filling of natural stones (porous and fissured slabs) as well as artificial stones or building materials. The high-quality raw materials employed in the manufacturing process ensure a hardly yellowing system which can even be used with light-colored stones.

ADVANTAGES

- Hardens relatively fast
- High penetration due to low viscosity
- Neutral color
- Weather resistance
- Solvent-free product
- Excellent grinding and polishing properties after curing
- Increases strength and improves quality of the surface
- Compatible with solvent-sensitive materials
- Post curing, product is harmless upon contact with food

APPLICATION AREAS

- Natural and artificial stones
- Building materials
- Fiber reinforcement

PACKAGING

Flagpox 1005 kits are available in two sizes. 5 kg set (4 kg resin + 1 kg hardener). 1.25 kg set (1 kg resin + 250 g hardener)

STORAGE AND SHELF LIFE

Flagpox 1005 has a shelf life of approximately 12 months when stored under cool and dry conditions in original container.

APPLICATION

Surface Preparation

- Surface should be pre-calibrated according to their nominal thickness and must be clean and dry.
- Warming the surface to about 60 - 70°C increases the penetrative capacity of the product.
- Four parts by weight of resin (component A) to be mixed with one part by weight of hardener (component B) until and mixture is homogenous. (Resin: Hardener = 4: 1)
- The mixture is workable for about 15 - 20 minutes at 25°C.

Procedure

- Apply the liquid with a fine-toothed spreader. Apply multiple times in case of wide and large fissures.
- Treated surfaces can bear loads and be tooled after 24 hours.
- Surfaces pre-warmed to about 60°C will cure in approximately 3 hours. Warm temperature accelerates curing process and cold temperature slows curing process.
- Tools can be cleaning with Epoxy Remover.

PRECAUTIONS AND HINTS

- For optimal mechanical strength and chemical properties, always mix resin (component A) and hardener (component B) in a 4 : 1 ratio by weight.
- Excess of A or B can cause softening and/or discoloration of the area.
- Product may deepen the color of the treated area, especially in fissures. A patch test is recommended to examine the effects of the product on the surface.
- Use gloves to protect hands during application
- Resin and hardener should be extracted with SEPARATE spatulas/spoons/vessels.
- Do not use resin once it has jellied or thickened
- Do not use product in temperatures below 15°C as it may not fully cure in the reported amount of time.

FLAGSTONE FIX
ZYAX CHEM PVT. LTD.

Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.

☎ +91-8779-240-420

✉ info@zyax.in

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PRECAUTIONS AND HINTS

- If the cured material is exposed to temperatures above 70°C for prolonged periods of time, it is prone to yellowing.
- Hardened adhesive can only be removed by mechanical means and/or extreme heat (> 200°C)
- Ask for safety datasheet if needed

TECHNICAL INFORMATION

Density			
Resin	1.14	Hardener	0.97
Color			
Pale, transparent			
Viscosity			
Approximately 155 cP @ 25°C			
Working Time (min:sec)			
At 15°C	> 50:00	At 30°C	15:00 - 20:00
At 20°C	18:00 - 22:00	At 40°C	10:00 - 15:00
Tensile Strength (N/mm ²)			
50 - 60			
Bending Strength (N/mm ²)			
> 75 N/mm			

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