

CS CHEMPOX 9005

Adhesive, Joint and Surface Filler



PRODUCT DESCRIPTION

CS CHEMPOX 9005 is a fluid, two-component epoxy resin system with modified amine hardener, used for firmly filling cracks and large pores.

SPECIAL FEATURES

CS CHEMPOX 9005 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

CS Poxy L 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

CS CHEMPOX 9005 has a shelf life of approximately 12 months when stored under cool and dry conditions in original container.

APPLICATION PROCEDURE

- 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. 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 CS Poxy 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.
- 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 DATA

The following information has been collected in accordance with DIN 53452 and DIN 53455

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			