

StoneFill Rapid

DESCRIPTION

StoneFill Rapid is a two component, solvent-free, epoxy system having following properties: -

- Extremely faster reactivity offers quick drying of films
- Low mix viscosity permits excellent penetration to micro cracks and holes.
- Strong bonds and impervious films with high hardness
- High penetration and colour enhancement
- Compatible with epoxy pigment paste.

Suitable for dark coloured natural stones. Not recommended on light coloured and white stones. Product can be applied by roller or trowels on stone.



INSTRUCTIONS FOR USE

Application surface should be clean and dry. Thoroughly mix resin and hardener in 100:25 w/w ratio, in a clean bowl using spatula. After sufficient mixing of both the components, apply over a stone using fine-toothed spreader. The mixture remains workable up to 4 -5 minutes at 25 °C. Hence it is recommended to consume entire mixture within this time.

It is recommended to apply more than one coat of larger fissures or absorbing surfaces. It is advisable to seal the cracks from back side of the stones if cracks are found deeper or throughout the stones.

This product application is to be done after proper sealing of such large cracks.

Apply first layer of resin system with the help of spreader and polish the surface followed by application of subsequent layer. The surface can be polished after 24 hours according to the ambient temperature.

The optimal mechanical and chemical properties can only be attained by adhering to the exact mixing proportions, excess adhesive or hardener has the effect of a plasticizer or may cause discolouration in the marginal zone.

TECHNICAL DATA

INDIVIDUAL COMPONENTS		
Resin; appearance	visual	Clear liquid
Hardener; appearance	visual	Light yellow liquid
Resin; colour	gardner scale	Max. 1
Hardener; colour	gardner scale	Max. 2
Resin; viscosity @ 25±1 °C	cPs	400 - 600
Hardener; viscosity @ 25±1 °C	cPs	150 - 300
Resin; density @ 25 °C	gm/ml	1.12 - 1.14
Hardener; density @ 25 °C	gm/ml	0.98 - 1.10

TECHNICAL DATA

AFTER MIXING		
Mixing ratio	by weight	100:25
Gel time @ 25±1 °C, 100 gm mix mass	minutes	3 - 5
Hardness, after 24 hr curing at 25°C	shore-D	Min. 80
¹ Tack free time at 25±1 °C of approx. 200 micron film	minutes	Min. 120
¹ Tack free time at 40±1 ° of approx. 200 micron film	minutes	Min. 90
Time to polish at 25±1 °C	hours	After 24*
Shelf life at storage between 18 - 25 °C	months	24

*Actual time may vary depending upon ambient temperature and humidity

STORAGE

Keep the resin in original tightly closed containers, in a dry place far away from source of heat and rays sun. Avoid freezing condition.

SHELF LIFE

24 months in the original sealed packaging, stored in a cool and dry place.

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