

A thick dark grey vertical bar runs along the left edge of the page. In the lower-left quadrant, several thin, curved lines in black and grey sweep upwards and to the right, creating an abstract, organic shape.

GLAZE PLUS

TECHNICAL DATA SHEET

EPO-MAX-10005

EPO-MAX-10005



DESCRIPTION

EPO-MAX-10005 is two component modified, epoxy based system suitable for treatment of Italian marbles and granites. It is a room temperature curing system, having low viscous and good penetrating properties into cracks for marbles and granites. The system shows excellent impregnation and gloss properties after curing. Faster productivity can be achieved, if curing is performed at higher temperature between 40°C and 60°C. Curing at higher temperature is recommended to achieve optimum performance.

ADVANTAGES

- Enhance self-colour of the granites and Italian marbles
- Good colour stability
- Good penetrating power into cracks
- High gloss
- Low shrinkage
- System can be pigmented
- Thermally stable and suitable to perform in extreme conditions
- Water and chemical resistant

APPLICATION

Filling and coating of Italian marbles and granites

PROCESSING

Surface preparation: Clean thoroughly the crack area on marbles. Ensure the surface is free from dirt, oil, grease and moisture. Wipe off the surface of the marble with clean cloth. Inadequately pretreated substrates may not show satisfactory results.

Application

Crack filling: Take resin and hardener as per mentioned ratio, mix thoroughly. Take it in dispensing bottle, dispense mix over the cracks. Pigmentation can be done by adding suitable pigment.

Micro | hair line crack treatment: Take resin and hardener in above mentioned ratio, mix thoroughly and apply the mix over complete surface of marble with the help of a metal spatula. Apply as many coats as required, depending upon the nature of cracks on the surface. Allow to cure in day light for 24 hours. The excess material can be grinded and removed from the surface of the substrate. Excessive humidity (above ~65%), low daylight and low temperature (less than 20°C) may retard the cure. The EPO-MAX-10005 will not work effectively in the monsoon season.

Polishing of marbles and granites: It can be done after 24 hours to 30 hours from the time of EPO-MAX-10005 application on surface.

Troubleshooting:

Problem	Cause
Uncured after 24 hours to 48 hours	Wrong mix ratio and or low ambient temperature
Sticky greasy hazy surface	High humidity

TYPICAL SPECIFICATIONS

Test	Unit	Resin	Hardener
Description	-	Clear, transparent liquid	Clear, transparent liquid
Viscosity at 25°C1	m Pas	450 - 650	10 - 20
Colour	APHA	Max 60	-
Colour	GS	-	Max 1
Specific gravity	-	1.10 - 1.20	0.95 - 1.00

MIX SPECIFICATION

Test	Unit	Value
Mixing ratio (resin: hardener)	w/w	100:25
Mix viscosity at 25°C	m Pas	200 - 300
Pot life1	Minutes	35 - 45
Peak exotherm temperature2	°C	Max 135
Surface dry3	Minutes	100 - 120
Touch dry3	Minutes	170 - 190

MIX SPECIFICATION

Test	Unit	Value
Hardness	Shore D	70 - 75
Water absorption (24 hours immersion)	%	Max 0.4
Tg, RT curing, 24 hours	°C	50 - 55
Tg, potential2	°C	75 - 80
Optical clarity	-	Excellent

STORAGE AND HANDLING

EPO-MAX-10005 should be stored in a cool and dry place, preferably in a sealed container and should not be exposed to direct sunlight. This product has a shelf life of one year, if stored in its original container between 2°C and 40°C away from humidity and excessive heat.

SHELF LIFE

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

SAFETY

Wear personal protective equipment (PPE). Avoid contact with the eyes and skin. In case of direct contact and irritation, it should be washed off immediately with soap and warm water. Avoid breathing vapours, mist or gas.

PACKAGING

EPO-MAX-10005 is available in 1:250gms & 4:1kg.

TECHNICAL SUPPORT

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