



Product Data Sheet

Pox Mar 50

Pox Mar 50 is a low viscosity, solvent free transparent epoxy system for filling cracks in granite floor, countertop repair and natural stones

Description

Pox Mar 50 is a low viscosity system without solvents, used for filling cracks and filler in granite. Perfect for granite floor and countertop repair, it penetrates into the stone for a tough, durable bond. It can be used as a glue to repair cracked countertop corners too.

Recommended Uses

Pox Mar 50 finishes used for repair :

- Natural stone products
- Marble
- Granite
- Slate
- Concrete substrate

key features

- Environment friendly (odor free and no solvent)
- Highly UV Resistant
- Exceptional clarity
- Clear transparent, best suitable for dark and multi-colored natural stones
- Has highly penetrative properties
- Weather-resistant and easy to clean
- Hard wearing and highly polishable!
- Increases the firmness and improves the quality of natural stone surfaces
- Excellent adhesive properties

Technical Specification

Mix ratio by weight :	4 A : 1 B
Appearance	liquid clear
Color Gardner	< 2
Solids Content	100 %
Pot life from 23°C to 40°C for 100 ml	Approx. 30 min.
Substrate temp.	Min 10 °C , max 30°C
Working time @ 23°C	Approx. 25 min.
Initial Curing time @ 23°C	Approx. 24 h
Complete hardening time @ 23°C	7 days
Hardness, Shore D	> 82



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How to use

Application:

Test on a small area before proceeding, so to ensure product suitability and final result.

Surface preparation:

- The surfaces that need to be treated must be degreased and treated mechanically and/or chemically before the application.

Mixing:

- It is important to remember that this product has a limited work time (Approx. 25 min. at 23 °C). Therefore it is wise to check and make sure everything is in order before starting the mixing sequence.

- Stir the contents of part A with an electrical stirrer. Add part B to part A completely for 2 – 3 minutes with a low speed stirrer until a homogenous mix is achieved. Be careful not to introduce any air bubbles while mixing until a uniform consistency is obtained. Afterwards the mixture is left to rest for approx. 5 minutes, then pouring **Pox Mar 50** in prepared surface.

- The tables below can be used to look up some common mix sizes A & B components by weight.

Mix Ratio Examples

A	B	Total
100	25	125
200	50	250
300	75	375
400	100	500
500	125	625

Processing conditions:

- Temperature-The optimal processing temperature is about 20 °C. Raising the temperature by 10 °C halves the pot life and doubles the reactivity
- Air humidity – The relative air humidity during processing should not exceed 65 %.
- Like all reactive resin systems the casting quantity is limited by the generated reaction heat (exothermal reaction): often a lower curing temperature (e.g. at an ambient night temperature lower than 20 °C) can counteract too great an exothermal reaction.

Cleaning

Cleaning all tools and equipments immediately after use with acetone or cellulose thinners.

Health and Safety

- Use gloves and breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Skin splashes to be removed with hand cleanser, soap and water.
- Eye splashes to be removed with plenty of water.
- If ingested seek medical advice.



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Packages

Kits (A+B): 1 kg

Storage

- The resins and hardeners can be stored at least 12 months in their carefully sealed original containers.
- The resins and hardeners may crystallize at temperatures below +15 °C.
- The crystallization is visible as a clouding or solidification of the contents of the container.
- Before processing, the crystallization must be removed by warming up.
- Slow warming up to approx. 30 - 40 °C in a water bath or oven and stirring or shaking will clarify the contents of the container without any loss of quality.
- Use only completely transparent products.
- Before warming up, open containers slightly to permit equalization of pressure.
- Caution during warm-up ! Do not warm up over an open flame!
- While stirring up use safety equipment (gloves, eyeglasses, respirator)