

MARMOPOXY ECO

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1. Product identifier: MARMOPOXY ECO

Manufacturer / Importer / Supplier:

ANAV INDUSTRIES

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Marketed By:

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2. MARMOPOXY ECO:

Marmopoxy Eco is a very fluid two-component epoxy resin system with a modified amine hardener which is used for firmly closing cracks and pores.

3. Characteristics:

- Good grinding and polishing properties
- Transparent and pale
- Can be worked for a long period of time
- Weather resistant
- Has highly penetrative properties on account of its low viscosity
- Increases the yield and the productivity
- Excellent colour deepening effect
- Solvent-free
- Increases the firmness and improves the quality of natural stone surfaces

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4. Areas of application: Marmo Poxy Eco is mainly used in the stone-working industry for strengthening porous and fissured natural stone slabs, concrete and concrete ashlar where a colour deepening effect is required. The hardened product shows only a minimal tendency to yellow if exposed to ultraviolet light or to warmth.

5. Usage Instruction:

1. The stone slabs which are to be treated must be pre-calibrated according to their nominal thickness and must be clean and dry
2. Warmth accelerates and cold retards the hardening process.
3. Marmo Poxy colour pastes can be used for colouring if required (max 5%)
4. Two parts by weight of component A are to be thoroughly mixed with one part by weight of component B (e.g. 50g and 25g) until the mixture is free of streaks. Alternatively, seven parts by volume of component A are to be mixed with two parts by volume of component B (e.g. 175 ml and 50 ml); large amounts can be worked more easily with a dosing and mixing apparatus for marmopoxy products.
5. The surfaces can be ground and polished after approx 2 days at room temperature.
6. Tools can be cleaned with marmot solutions pvt ltd thinners
7. Warmth accelerates and cold retards the hardening process.
8. The pressure of grinding and polishing segments should be maximum 1 to 1.5 bar.
9. Empty the container fully before disposing it off.

Notes:

- Optimum surfaces can only be achieved by using high-quality grinding and polishing segments,
- 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.
- The product is not to be used at temperatures below 15°C because it will not sufficiently harden.
- Depending on the type of stone the treated surfaces may deepen the colour to a greater or lesser extent. Colour deepening may be more noticeable in the fissured area. Therefore, it is advisable to try on a testing area.
- Component A and B must be taken from their container with separate receptacles.
- If the resin has been correctly worked it presents no hazard to health when the hardening process is completed.
- The resin is no longer to be used when it is already thickened
- The hardened resin can no longer be removed by means of solvents, only mechanically or by applying higher temperatures (>200°C)

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6. Technical Specification:

- **Colour:** Transparent , pale
- **Density:** Component A: 1.13 g/cm³
Component B: 0.93 g/cm³
- **Consumption:** Approx. 100 – 200 g/m²

Working time at varying temperatures and 125 g:

15°C: Approx. 3-4 hours

20°C: Approx. 2 hours

30°C: Approx. 1 hour

Hardening time for stone slabs which have been pre warmed to the given temperatures:

20°C: approx. 2 days

30°C: approx. 1 day

Shelf Life: approx. 1 year under cool conditions in the firmly closed original container.

Safety: Please refer to the EC safety data sheet.

Notice: The above specifications were made in accordance with the present-day stage in the development and the application technology research of our firm. Because the ways and means of application are beyond our control, the manufacturer cannot be made liable for the contents of the specification sheet.

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