

MARMOPOXY-L

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

1. Product identifier: MARMOPOXY-L

Manufacturer / Importer / Supplier:

ANAV INDUSTRIES

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Marketed By:

Marmo Solutions Pvt. Ltd.

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MARMOPOXY-L

1. MarmoPoxy L is a very fluid, two-component, epoxy resin system with a modified amine hardener which is used for firmly closing filling cracks and large pores. We recommend Marmopoxy V in the event of smaller pores and fissures.

1.1.Characteristics:

- (a)Hardens relatively quickly
- (b)Has highly penetrative properties on account of its low viscosity
- (c)Transparent and pale, i.e. also suitable for natural stone of light colour
- (d)Solvent-free
- (e)Weather resistant
- (f)Excellent grinding and polishing properties
- (g)Increases the firmness and improves the quality of natural stone surfaces
- (h)Increases the yield and the productivity

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2. Application Area:

- (a) Stone working industry for strengthening porous and fissured stone slabs, concrete and concrete Ashley and improving their surfaces qualities.
- (b) Strengthening brittle natural stone slabs.
- (c) The hardened product only shows a minimal tendency to yellow if exposed to ultraviolet light or to warmth.

3. Usage Process:

- (a) The stone slabs which are to be treated must be pre-calibrated according to their nominal thickness and must be clean and dry.
- (b) If the surfaces of the stone is pre-warmed (60°C to 70°C), the penetrative capacity of the product will be increased.
- (c) Four parts by weight of component A are to be thoroughly mixed with one part by weight of component B (e.g. 100g 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); Marmotint can be used if required (max 5%).
- (d) The mixture remains workable for approx. 20-30 minutes at 20°C and is applied to the whole surface with a fine-toothed spreader; apply more than once in the event of larger fissures or areas of greater absorption.
- (e) The surfaces can be ground and polished after approx. 24 hours at room temperature. Pre-warmed natural stone slabs can be polished and ground after approx. 3 hours at 60°C and subsequent cooling.
- (f) The contact pressure of the grinding and polishing segments should be 1 to 1.5 bar at the most
- (g) Tools can be cleaned with solvents
- (h) Warmth accelerates and cold retards the hardening process.
- (i) Empty the container fully before disposing of it.

4. Notes:

- (a) 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
- (b) The colour of the treated surfaces may deepen to a greater or lesser extent depending upon the type of stone involved; a deepening of colour may be more noticeable in the fissured area.

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- (c) When component A and B are being extracted from their containers you must use separate vessels.
- (d) The resin is no longer to be used if it has already thickened or is jelling.
- (e) The best surfaces can only be achieved by using high quality grinding and polishing segments.
- (f) The product is not to be used at temperatures under 15°C because it will not sufficiently harden.
- (g) The hardened resin can no longer be removed by means of solvents. This can only be achieved mechanically or by applying higher temperatures (> 200°C).
- (h) If the resin has been correctly worked it presents no hazard to health when the hardening process is completed.

5. Technical Specifications:

Colour:	Transparent, pale	
Density:	Component A:	1.13 g/cm ³
	Component B:	1.00 g/cm ³

Amounts required: approx. 100-200 g/m²

Working time:

(a) At varying temperatures and 150 g: 15°C : 30 – 25 minutes

20°C : 20 – 25 minutes

30°C : 5 – 10 minutes

40°C : 3 – 5 minutes

(b) At 20°C and varying amounts :25 g : 25 – 30 minutes

125 g : 20 – 25 minutes

1250 g : 15 – 20 minutes

Hardening times for stone which have been pre-warmed to the given temperatures:

20°C: 24 hours

30°C: 12 hours

40°C: 6 hours

50°C: 4 hours

60°C: 3 hours

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

7. Safety notice: please refer to the EC safety data-sheet

8. Notice: the above specifications were made in accordance with the present-day stage in 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 this specification sheet.



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