

WATER-BASED EPOXY ENAMEL

2-PART EPOXY ENAMEL

Ref.: 3485

TECHNICAL IDENTIFICATION

Water-based two-part enamel paint based on epoxy resins cured with amine adduct.

AREA OF USE

It is intended for painting in interiors on all types of mineral substrates, such as concrete, cement, or in locations that require high chemical and mechanical resistance (garages, warehouses, wall panelling, etc.). As it is a water-based product and therefore low odour, it is especially appropriate for hospitals, slaughterhouses, nursery schools, etc.

PROPERTIES

- Very hard
- Excellent adhesion
- High gloss
- High impact resistance
- Excellent chemical resistance (water, diluted acids, oils, solvents, etc.)

PHYSICAL CHARACTERISTICS

(of the mixture in white)

- Colour	Refer to technical department
- Features of dry film	Glossy
- Volume solids	48 ± 2%
- Practical coverage	6 m ² / L (100 microns)
- Recommended thickness per coat	Up to 150 microns
- Drying time (T. 20°C and H. 50%)	
Touch dry	2 to 4 hours
Light traffic	24 hours
Light loads	1 week
Total Cure	1 week

The characteristics of this product may be altered without prior notice due to the continuous research and development policy at Barbot – Indústria de Tintas, S.A. This information is based on our current knowledge of the product, however since conditions of use are beyond our control, we give no guarantee of results.

Recoat time	24 hours
- Volatile Organic Compounds (VOC)	EU limit value for this product (Cat. A/j): 140 g/L (2010). This product contains max. 10 g/L VOC*.

APPLICATION CONDITIONS

- Preparation of surface	The surface must be clean, firm and free from grease and moisture.
• Walls	Application directly on the render, ensuring that the surface is in perfect condition.
• Metal surfaces	Remove any rust before applying the primer, using BARBOT ANTI-RUST. On ferrous metals apply TOX-FREE PRIMER and on non-ferrous metals apply PRIMER FOR GALVANISED METAL.
• Flooring	Clean floor surfaces with a low concentration solution of an alkali detergent. Contact the technical department when repainting floor surfaces.
- Environmental conditions	Ambient temperature – Above 12 °C Relative humidity – Below 80%
- Application conditions	The surface temperature must be above 12 °C. Relative humidity must be below 80% There must be good air circulation.

APPLICATION INSTRUCTIONS

- Product preparation	Mix the base well with the hardener (mechanically), leave it to rest for 15 minutes and only then dilute it.
- Proportions of the mixture	WATER-BASED EPOXY ENAMEL (base) - 4 parts (volume) WATER-BASED EPOXY (hardener) - 1 part (volume)
- Working time	60 minutes
- Application process	Brush or roller
- Solvents and dilution ratio	Dilute first coat 20% and the remaining coats up to 15%.
- Number of coats	3 coats
- Drying time between coats	24 hours
- Cleaning solvent	Water



Note: * The VOC values indicated refer to the product ready to apply, including tinting, dilution, etc., with our company's products that we have recommended. Barbot shall not be liable for products obtained by mixing products that we have not recommended.

- Quantities available	5 L and 15 L kits
STORAGE STABILITY	Minimum Temperature – 10 °C Maximum Temperature – 35 °C
RISKS AND SAFETY	See safety data sheet at www.barbot.pt

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(replaces August 2013 specifications)

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