



# VIMAPOXY EP 120

Epoxy primer  
in aqueous dispersion



konstruktive • **leidenschaft**



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## PRODUCT DESCRIPTION

VIMAPOXY EP 120 is a two-component clear product based on epoxy resins and cycloaliphatic catalyst in aqueous dispersion for anti-dust and anti-wear treatments on concrete flooring resistant to oils such as in factories, industrial workshops, garages, carparks, cellars, pharmaceutical and food industries etc. It is ideal for reinforcing dusty cement or concrete surfaces or as a primer for surface finishes in epoxy, polyurethane, polyurea, epoxy-cement, etc.

Thanks to its excellent capillary penetration, VIMAPOXY EP 120 increases the concrete resistance to numerous industrial chemicals with an anti-dust effect and eliminates the absorption of grease and oils. It can also be applied to oxidized asphalt.

## COMPOSITION

VIMAPOXY EP 120 is a formulated liquid two-component epoxy resin and cycloaliphatic catalyst in aqueous dispersion.

## MIXING AND APPLICATION

The surface must clean, dust-free, stable, dry and free from loose parts and oil, grease or wax contamination. If necessary power wash surfaces thoroughly. The preparation of concrete surfaces previously treated, must be done by abrasion, sanding, sandblasting or milling, followed by a careful removal of dust via power washing. To prepare product add component B to component A and mix by electric drill at high speed until smooth and free of lumps, making sure to perfectly emulsify the two components. Immediately after the two components have been added together and whilst still mixing, dilute with the amount of clean water necessary depending on the type of use, no more water should be added whilst applying to surfaces.

The product obtained must be used within 60'-90' minutes of mixing to avoid colour variations or minor relaxation.

Apply product by brush, roller or airless spray in one or more layers. During the drying phase, ensure good ventilation of the environment to facilitate the evaporation of water and speed up hardening.

## INDICATIVE AMOUNTS REQUIRED

*Anchorage on concrete pavements:* 0.100-0.130 kg per m<sup>2</sup>.

*Dust treatment on industrial floors:*

1° layer 0.050-0.060 kg per m<sup>2</sup>.

2° layer 0.030-0.050 kg per m<sup>2</sup>.

*Reinforcing dusty surfaces:* depending on surface absorption

*Anti-evaporation on fresh concrete after power floating:* 0.090-0.110 kg per m<sup>2</sup>.

*Reclaiming concrete casting:* 0.250 kg per m<sup>2</sup>.

## COLOUR

Clear.

## PACKAGING

10 kg pack A+B.

*Component A:* 5 kg tub.

*Component B:* 5 kg tub.

## STORAGE

12 months in original intact packaging, protect from frost, not exposed to direct sunlight or heat sources.





**RECOMMENDATIONS**

Do not apply in temperatures below +10°C or above +35°C. Mix the products two components thoroughly before diluting/applying and use entire content. Apply within 60'-90' minutes of mixing and diluting the product depending on the environmental conditions.

**PRODUCT DATA**

Appearance	liquid	
Colour	clear	
Specific weight (A+B)	1.060 ± 0.050 kg/l	EN ISO 2811
Dry residue (A+B)	51 ± 1 % p/p 50 ± 1 % v/v	EN ISO 3251
Viscosity Ford 4 a 20°C	15 ± 2 sec	ASTM D 1200
Relative air humidity	≤ 80%	
Mixing ratio	100 parts A + 100 parts B	
Maximum temperature for storage	+ 35°C	
Minimum temperature for storage	+ 5°C	

**APPLICATION DATA**

Pot life	60' minutes at 30°C 90' minutes at 20°C
Minimum application temperature	+ 10°C
Maximum application temperature	+ 35°C
Minimum drying temperature	- 20°C
Maximum drying temperature	+ 70°C
Waiting time between layers	> 30' minutes < 16 hours 3 hours for reclaiming concrete castings
Fit for walking	24 hours
Fit for light traffic	36 hours
Fit for heavy traffic	48 hours
Completely hardened.	7 days

**DILUTION**

Application	Vimapoxy EP 120	Water
Anchorage on concrete pavements	1.0 kg	1.0 ℓ
Dust treatment on industrial floors	first layer: 1.0 kg after 6-8 hours second layer: 1.0 kg	2.0-2.5 ℓ  1.0-1.5 ℓ
Reinforcing dusty surfaces	1.0 kg	2.0 ℓ
anti-evaporation on fresh concrete after power floating	1.0 kg	3.5 ℓ
Reclaiming concrete casting	1.0 kg	0.2 ℓ

**VOC**

Category	Two-pack reactive performance coatings for specific end use (WB/j)
VOC limits category	140 g/l (2010)
Maximum VOC product content	30 g/l

**REMARKS**

**Product for professional use.** The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions. Updates will be published on the web site [www.vimark.com](http://www.vimark.com).

