



VIMACOLOR EPS 720

Coloured epoxy coating
in water dispersion



konstruktive • Leidenschaft



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PRODUCT DESCRIPTION

VIMACOLOR EPS 720 is a two-component coloured formula with satin effect, based on epoxy resins in water dispersion for anti-dust and anti-wear coatings on concrete flooring that is humid and not equipped with a vapour barrier, such as in factories, industrial workshops, garages, carparks, cellars/basements, pharmaceutical and food industries etc. The product can also be used to create easy to clean vertical skirtings, on concrete substrates or cement plaster, for lining concrete tanks for firewater or similar.

VIMACOLOR EPS 720 adds a satin protective film, resistant to fuels, lubricants, cleaners, diluted acids and alkalis, as well as water, with good resistance to wear and heavy transit of tyres.

COMPOSITION

VIMACOLOR EPS 720 is a liquid two-component formula based on epoxy resin in water 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 via single-disc rotary floor machine with carborundum discs or grinded with diamond grinding wheels, followed by a careful removal of dust via power washing.

To prepare product add component B to component A and mix with an electric drill at high speed until smooth and free of lumps, making sure to perfectly emulsify the two components. Immediately after combining the two components together and whilst still mixing, dilute always with the same percentage of clean water, add no more water later whilst applying product.

Use the product obtained within 30'-45' minutes of mixing to avoid colour variations or minor relaxation.

Apply by roller or airless spray in two or more layers. Dilute the first coat of product at 25% with clean water, while dilute subsequent one or two coats at 20% and apply with a constant thickness.

The waiting time between one layer and another must be between 24 and 48 hours. During the drying phase, ensure good ventilation to facilitate water evaporation and speed up the hardening process.

Applying irregularly with not enough ventilation can lead to the formation of opaque areas on the surface. To make the floor slip-resistant and non-slip it is possible to add to the product **ANTISKID** powder.

With protective finishing paint of intense colours (e.g. blue, bright red, etc.) on floors subject to heavy traffic, we recommend applying the transparent protective final coating **VIMACOLOR EPS 720** diluted appropriately.

INDICATIVE AMOUNTS REQUIRED

First coat: 0.150 kg per m².
Following coats: 0.160-0.180 kg per m².

COLOUR

RAL: 1003*, 1013, 1023*, 2002*, 3002*, 3009, 3016*, 3020*, 5010*, 5012, 5015, 6001, 6011, 6019, 6021, 6034, 7030, 7035, 7037, 7038, 7040, 8004, 9001, 9002, 9004, 9010.





PACKAGING

5.5 kg pack A+B.
Component A: 2.5 kg tub.
Component B: 3.0 kg tub.

11 kg pack A+B.
Component A: 5.0 kg tub.
Component B: 6.0 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 30'-45' minutes of mixing and diluting the product depending on the environmental conditions.

PRODUCT DATA

Appearance	liquid	
Colour	RAL	
Specific weight (A+B)	1.330 ± 0.030 kg/l	EN ISO 2811
Dry residue (A+B)	76 ± 1 % w/w 68 ± 1 % v/v	EN ISO 3251
Viscosity Ford 4 a 20°C	> 300000 cps	ASTM D 2169
Adhesion to concrete	> 3.5 MPa or breaking of the concrete	ASTM D 7234
Persoz hardness	220 ± 5 sec	EN ISO 1522
Water vapour permeability Wdd	4 g/24 h/m ²	DIN 52615
Mixture ratio	100 parts A + 120 parts B	
Thickness	57 ÷ 76 µm	
Maximum temperature for storage	+ 35°C	
Minimum temperature for storage	+ 5°C	

APPLICATION DATA

Pot life	30'-45' minutes
Minimum application temperature	+ 10°C
Maximum application temperature	+ 35°C
Minimum drying temperature	- 20°C
Maximum drying temperature	+ 70°C
Waiting time between layers	after 24 hours and within 48 hours
Fit for walking	18 hours
Fit for light traffic	36 hours
Fit for heavy traffic	72 hours
Completely hardened.	7 days

CHEMICAL RESISTENCE

Legend

Class 1	Complete or partial immersion.
Class 2	Spray, splashes, frequent spills and high concentrations fumes.
Class 3	Medium to high concentration fumes and accidental spills.





<i>Class 4</i>	Low aggression fumes and external atmospheric agents.
Organic acids	
<i>Acetic acid 10%</i>	Class 3
<i>Glacial Acetic Acid</i>	Class 3
<i>Citric Acid</i>	Class 1
<i>Formic Acid</i>	Class 2
<i>Lactic acid 10%</i>	Class 3
<i>Lactic acid 80%</i>	Class 3
<i>Maleic Acid</i>	Class 1
<i>Oleic Acid</i>	Class 2
<i>Oxalic Acid</i>	Class 2
<i>Stearic Acid</i>	Class 2
Mineral acids	
<i>Chromic Acid 10%</i>	Class 3
<i>Chromic Acid 50%</i>	Class 3
<i>Chromic Acid 80%</i>	Class 3
<i>Hydrochloric acid 37%</i>	Class 3
<i>Nitric acid 10%</i>	Class 3
<i>Phosphoric acid 20%</i>	Class 3
<i>Phosphoric acid 70%</i>	Class 4
<i>Sulphuric acid 10%</i>	Class 4
Alkali	
<i>Ammonium hydroxide</i>	Class 2
<i>Calcium hydroxide</i>	Class 2
<i>Potassium Hydroxide</i>	Class 2
<i>Sodium hydroxide</i>	Class 2
Acid salts	
<i>Aluminium sulphate</i>	Class 2
<i>Calcium sulphate</i>	Class 2
<i>Ferric Sulphate</i>	Class 2
Alkali salts	
<i>Calcium bicarbonate</i>	Class 2
<i>Sodium carbonate</i>	Class 2
<i>Trisodium Phosphate</i>	Class 2
Vapours	
<i>10% ammonia</i>	Class 2
<i>Concentrated Ammonia</i>	Class 3
Solvents	
<i>Ethyl Alcohol</i>	Class 3
<i>Aliphatic Hydrocarbons (Fuel Oil, Diesel Oil, Kerosene)</i>	Class 2
<i>Aromatic hydrocarbons (Xylene, Toluene, etc.)</i>	Class 3
<i>Formaldehyde 37%</i>	Class 3
Other	
<i>Distilled water</i>	Class 1
<i>Mineral oils</i>	Class 1
<i>Sea water</i>	Class 1





VOC

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

