

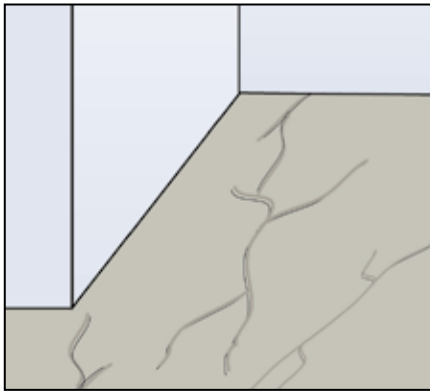
EPOEMULSIO AB

WATER BASED TWO-COMPONENT DUST PROOF EPOXY ENAMEL FOR CONCRETE FLOORS AND STRUCTURES

CHARACTERISTICS			ENVIRONMENTAL	METHOD OF USE				PRECAUTIONS
TWO-COMPONENT	WATER BASED	WATERPROOFING		MIX MECHANICALLY	SPRAY APPLICATION	APPLY BY BRUSH	APPLY BY ROLLER	STORAGE: KEEP AWAY FROM FROST

PROBLEM

VERNICIARE PAVIMENTAZIONI INDUSTRIALI CON TRAFFICO LEGGERO



SOLUTION

Concrete flooring showing surface degradation as a result of continuous wear is becoming dusty. To overcome this situation it will be necessary to apply an anti-dust coating.

EPOEMULSIO AB is a two-part product containing water soluble pigmented epoxy resins.

APPLICATION FIELDS

EPOEMULSIO AB is used to impregnate concrete flooring when a surface is required which is easy to clean, dust-free and impermeable to oils and aggressive liquids.

It is ideal for garages, warehouses, covered carparks.



ADVANTAGES

- Does not contain solvents.
- Good strengthening effect, dust-free.
- Resists chemically aggressive water.

METHOD OF USE

• SURFACE PREPARATION

The surfaces to be painted must be clean, dry and free from impurities and dust.

Concrete substrates must be cured for 28 days and have a humidity content of less than 5%. Very smooth and non-absorbent surfaces must be roughened mechanically by sanding, shot-blasting or peening to obtain a suitable substrate for laying the subsequent layers.

Remove all traces of oil and grease using mechanical means (milling, dressing, sanding or shot-blasting). Any cracks and holes in old concrete must be filled and levelled off using repair mortar for concrete such as RESISTO UNIFIX with added COLLASEAL latex (1).

A base coat of EPOSTOP ABC (2) must be applied before painting on damp substrates or without vapour barrier.

• MIX PREPARATION

Carefully mix component A with component B, until a homogeneous mixture is obtained (3).

The diluting ratio for the mix preparation is 3.3 : 1.

• APPLICATION

The first coat can be diluted with approximately 10-20% water and the application may be carried out using a brush, roller or spray gun. It is advisable to apply two overlapping coats waiting 15 hours between coats at 20°C (4).

• COVERAGE

Coverage per coat: 200-250 g/m²; two coats recommended.

• PRECAUTIONS

- Do not apply on surfaces subject to heavy vehicle traffic.
- Concrete pavements must have suitable vapour barriers.
- Do not apply on wet surfaces or even of surfaces with a superficial water film.
- For previously treated surfaces, carry out tests in order to evaluate potential adhesion difficulty.
- Mix the two components thoroughly before use.
- Light colors may slightly turn yellow if exposed to the sun which however does not affect the resistance of the product.

posed to the sun which however does not affect the resistance of the product.

- Clean tools with water immediately after use
- Keep the product away from sunlight and heat sources.



TECHNICAL CHARACTERISTICS

		EPOEMULSIO AB	
	Standard	COMPONENT A	COMPONENT B
Appearance		Semi-thick Liquid	Liquid
Mix ratio		3.3	1
Density	EN 2811-1	1.37 ± 0.05 kg/L	1.00 ± 0.05 kg/L
Colour		Grey RAL 7042	
Dry residue		56 ± 2%	
Storage in original packaging in a dry place, away from frost		12 months	
Mix properties and workability			
Density of the mix		1.40 ± 0.10 kg/L	
Pot life - a 20°C (*)		approx 1 hours	
Thickness application		0.25 mm (two-coats)	
Waiting time - till tack-free drying (*)		approx 6 ÷ 8 hours	
Waiting time - for total drying (*)		approx 7 days	
Waiting time - for applying each coat over the previous one (*)		approx 8 ÷ 72 hours	
Application temperature		+10°C ÷ +30°C	
Application		manual or spray	
Performance characteristics	Standards	Product performance	
Class and type	EN 1504-2	C PI-MC-IR-PR	
Permeability to water vapour	EN 7783-1	Sd <5 m - class I	
Adhesion test	EN 1542	≥1.5 MPa	
Water absorption through capillarity	EN 1062-3	w < 0.01 kg/m ² ·h ^{0.5}	
Abrasion resistance	EN 5470-1	80 mg	
Permeability to CO₂	EN 1062-6	Sd >50 m	
Thermal resistance - Working temperature		-20°C ÷ +60°C	
Hazardous substances	EN 1504-2	According note in ZA.1	

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. **These parameters may vary based on the specific conditions of the worksite: temperature, humidity, ventilation, porosity of the substrate.**

(*) The stated times may be longer or shorter as the temperature decreases or increases.

Compliant with the general principles defined in **EN 1504-2** - Principles for evaluation of the use of products and systems.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

EPOEMULSIO AB 4.3 kg

- Component A: 3.3-kg-Pail
- Component B: 1.0-kg-Can

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

 Construction Systems and Products Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F. +39 045 518390	Internet: www.index-spa.com Informazioni Tecniche Commerciali tecom@indexspa.it Amministrazione e Segreteria index@indexspa.it Index Export Dept. index.export@indexspa.it		 UNI EN ISO 9001	 UNI EN ISO 14001	 "GBC Italia" Associated	
---	---	---	---	---	--	---