

EPOSTOP ABC

WATER-BASED THREE-COMPONENT WATERPROOFING ANCHORING EPOXY CEMENT BASE FOR DAMP SURFACES, RESISTANT TO COUNTER-THRUST AND CAPILLARY RISING DAMP

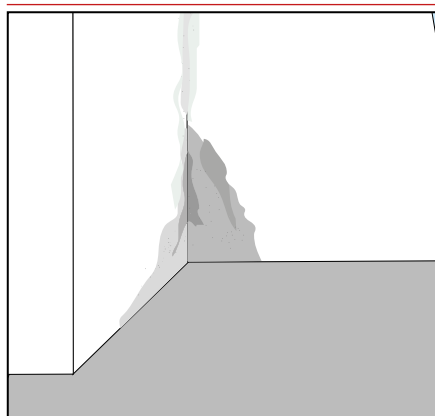
EPOSTOP AB

WATER-BASED TWO-COMPONENT NON-TOXIC EPOXY ENAMEL FOR TANKS CONTAINING DRINKING WATER

CHARACTERISTICS				ENVIRONMENTAL	METHOD OF USE			PRECAUTIONS
TWO-COMPONENT (EPOSTOP AB)	THREE-COMPONENT (EPOSTOP ABC)	WATER BASED	WATERPROOF		MIX MECHANICALLY	APPLY BY BRUSH	APPLY BY ROLLER	STORAGE: KEEP AWAY FROM FROST

PROBLEM

TO WATERPROOF DAMP SURFACES BEFORE PAINTING WITH EPOXY, POLYURETHANE OR GENERALLY NON-TRANSPIRING PAINT



SOLUTION

EPOSTOP ABC is a three-component product containing modified epoxy resins, in a water emulsion, suitable for forming a waterproof layer to stop damp.

EPOSTOP AB can be used as an atoxic paint for foodstuffs.

EPOSTOP is odourless.

APPLICATION FIELDS

EPOSTOP ABC is used as an anchoring prime coat to create a waterproof coating on concrete, filled and levelled surfaces. **EPOSTOP ABC** even adheres to very smooth cement surfaces which must still mature, or on damp surfaces. It is suitable for waterproofing the external surface (extrados) of tunnels, vaults and trenches. It is used as an adhesion promoter for epoxy or polyurethane coatings and for smoothing concrete floors.

Allows the subsequent application of any paint product.

EPOSTOP AB has a high resistance to aggressive chemical agents.

ADVANTAGES

- Resistant to water counterthrust.
- Fast application.
- Not flammable.
- Can be applied even on damp surfaces.
- Can be used in closed environments.



METHOD OF USE

• PREPARAZIONE DEL SUPPORTO

The surfaces to be treated should be free from crumbling or loose parts, mould and old paint, which should be removed by cleaning and brushing, sandblasting or with a high pressure water jet. Any holes or craze should be filled and repaired by adding fine quartz charges to **EPOSTOP ABC**.

It can be applied on damp or wet surfaces as long as there is not enough transudation to wash the product away while it is hardening. In the presence of water flow or transudation

under pressure infiltrations, use the waterproofing cement **BETONRAPID** or **OSMOSEAL** - Index (1).

• MIX PREPARATION AND APPLICATION

EPOSTOP ABC is supplied in three components which should be mixed when the product will be used in the following way: add component **B** to component **A** and mix well with a slow speed mixer drill until obtaining a homogeneous mix (2). Slowly add component **C** while mixing for 3-5 minutes then remix until obtaining a homogeneous mix free of lumps (3).

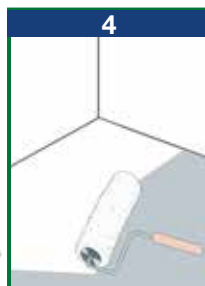
The resulting product has a viscosity which makes it possible to apply it with a spatula to level off any honey-combing or crazing, after adding roughly 30% of fine quartz to the mix.

To apply the product by brush, dilute it with 10% clean water at most.

The product diluted in this way can be applied such a primer in one layer only before application of our epoxy and/or polyurethane products (4).

By adding quartz sand, it forms a synthetic

(See following)



TECHNICAL CHARACTERISTICS

	Standard	EPOSTOP		
		COMPONENT A	COMPONENT B	COMPONENT C
Appearance		Semi-thick Liquid	Liquid	Powder
Mix ratio		4	4	8
Density	EN 2811-1	1.75 ± 0.05 kg/L	1.00 ± 0.05 kg/L	1.35 ± 0.05 kg/L
Colour		White		White Grey
Storage in original packaging in a dry place, away from frost		12 months		12 months
Mix properties and workability		EPOSTOP AB		EPOSTOP ABC
Density of mix		1.60 ± 0.10 kg/L		1.60 ± 0.10 kg/L
Pot life - a 20°C (*)		approx 60 ÷ 80 minutes		approx 60 ÷ 80 minutes
Thickness application		approx 0.5 mm (in two coats)		approx 0.5 mm
Waiting time - till tack-free drying (*)		approx 10 ÷ 12 hours		approx 10 ÷ 12 hours
Waiting time - for applying each coat over the previous one (*)		approx 48 hours		approx 48 hours
Waiting time - for total drying (*)		approx 7 ÷ 10 days		approx 7 ÷ 10 days
Application temperature		+10°C ÷ +35°C		+10°C ÷ +35°C
Application		manual		manual
Performance characteristics	Standard	Product performance		Product performance
Class and type	EN 1504-2	C PI-MC-IR-PR		C PI-MC-IR-PR
Permeability to water vapour	EN 7783-1	Sd >50 m - classe III		Sd >50 m - classe III
Adhesion test	EN 1542	≥ 1.5 MPa		≥ 1.5 MPa
Water absorption through capillarity	EN 1062-3	w < 0.01 kg/m ² ·h ^{0.5}		w < 0.01 kg/m ² ·h ^{0.5}
Abrasion resistance	EN 5470-1	80 mg		80 mg
Permeability to CO₂	EN 1062-6	Sd >50 m		Sd >50 m
Thermal resistance - Working temperature		-30°C ÷ +90°C		-30°C ÷ +90°C
Hazardous substances	EN 1504-2	According note in ZA.1		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.

(See previous)

mortar for repairs and thick levelling without shrinkage. It is thixotropic, can be applied with a trowel and can be float finished like a cement mortar.

EPOSTOP ABC can be finished off with two coats of **EPOSTOP AB** to obtain completely atoxic surfaces for foodstuffs and drinking water (5-6).

EPOSTOP AB can be diluted with 5-10% of water based on whether it is applied using a brush, roller or spray gun.

• CONSUMPTION

Minimum yield of **EPOSTOP ABC** is: 700-1.000 g/m².

Minimum yield of **EPOSTOP AB** is: 250 g/m²×coat (at least two coats).

• PRECAUTIONS

- La temperatura minima di applicazione è di 10°C.
- Warm the containers in a pan of hot water if they have gelled or crystallized.
- Clean tools immediately after use with warm water.
- Store at a temperature between +10°C and +35°C.

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

EPOSTOP AB	8.0 kg
- Component A: Can	4.0 kg
- Component B: Can	4.0 kg
EPOSTOP ABC	12.0 kg
- Component A: Can	4.0 kg
- Component B: Can	4.0 kg
- Component C: Pail	8.0 kg

• 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 •

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