

EPOKOAT PLUS

Multipurpose epoxy paint, highly resistant to chemical substances

Solvent free epoxy coating, with high chemical resistances. Suitable as coating for corrosive, polluting or hydrocarbons containment and for trafficable floorings that needs to be resistant to chemical substances.

ADVANTAGES

- Easy and quick to apply;
- Mechanical resistant to wheeled vehicles;
- Suitable for food contact;
- Protection of waterproofing systems;
- Excellent resistant to salts;
- High resistant to stagnant oils;
- Easy to clean;
- It creates a waterproofing film.

APPLICATION FIELD

The product is suitable as the final coat of those places where a high level of hygiene and cleanliness is required (bakeries, dairies, pasta factory, butcher's shop, chemical laboratories, toilets, bathrooms).

Excelent for mechanic's workshop or for any other place where there is stagnant oil.

It can be used as a protection in combination with liquid waterproofing systems
Suitable for interior.

YIELD

0,30 kg/m² over a perfect smooth surface

Apply the product in two coats.

COLOR

Grey, white, red, green.

PACKAGING

Part A – 4,2 kg metal bucket

Part B – 1 kg plastic bucket

Pallet: Part A – 18 boxes (5 pieces each)

Part B – 4 boxes (24 pieces each)

STORAGE

Store the product in its original containers tightly closed, away from sun, water, ice and kept at temperature between +5°C and +35°C.

Storage time: 12 months.

PREPARATION OF SUPPORT

- The support must be completely hardened, dry and resistant.
- The surface must be thoroughly clean, well consolidated, without debris or detaching parts. Use only solvents to clean the surface. Do not use gasoline or gasoil. If the surface is very dirty, a mechanical cleaning is recommended.
- Seal possible cracks, repair damaged parts and close any porosity.
- Level the surface and round angles and corners.
- In presence of new realised cement substrate, this must be sufficiently dry and cured.
- Substrate temperature must be between +5°C and +35°C.

CLEANING

Wash tools with nitro diluent before product hardening.

SAFETY

For the handling, see product safety sheet.

While handling use means of protection.



For application videos, product page, safety data sheet and other information.

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Technical Data

Features		Units
Yield	0,35 - 0,40	kg/m ²
Aspect	liquid	-
Colour	white, red, grey, green	-
Dilution	if necessary dilute with at max of 10% of ethilic alchool	-
Waiting time between 1° and 2° coat (T=20°C; R.H. 40%)	between 6 and 24	hours
Application temperature	+15 /+35	°C
Max level of humidity	70%	-
Drying time (T=20°C; H.R. 40%)	24	hours
Storage	12 month in its original containers tightly closed	months
Packaging	Part A – 4,2 kg metal bucket Part B – 1 kg plastic bucket	kg
Application time after mixing	1	hour

Final performances	Results
Weight increase with sodium chloride solution	0,8%
Weight increase with stagnant oils	< 0,1%
Weight increase with organic acids	4,3%
Punching resistance	10kg/100 mm ² = 196,4N
After 50 freeze/thaw cycles (-15°C/+15°C) UNI EN 202	unchanged

Coatings - epoxy

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Therefore, before using this product, we recommend in any case to perform preliminary tests with the purpose of verifying the complete suitability for the intended use. In case of uncertainties and doubts contact our technical office. This sheet supersedes any other previously released.

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Solution	Weight increase after 6 months immersion (%)
Demineralized water	1,1
Formaldehyde 37%	1
Acetic acid 10%	4,3
Sulphuric acid	2,1
Hydrochloric acid 20%	1,2
Sodium hydroxide 20%	0,6
Sodium chloride	0,8
Xilene	<0,1
Petroleum ether	<0,1
Lead-free petrol	<0,1
Motor fuel	0,1
Diesel	<<0,1
Ethanol	7,8
Acetic ethil	13,7

Note: immersion after 7 days of catalysis at 25°C

* The above data, even if carried out according to regulated test methods are indicative and may change varying the specific site conditions.

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MIXING

Perfectly mix the two components (A+B) until obtaining a homogeneous mixture. Use all catalyst (part B) for a full reaction. If necessary dilute with at max of 10% of ethyl alcohol. Use a professional mixer. Never add other aggregates.

APPLICATION in combination with waterproofing systems

2. If there are joints treat them with *Diaseal Strong* (see technical data sheet).
3. With rising damp use *WATstop* as vapour barrier (yield: 0,6 kg/m², see technical data sheet).
4. If the surface is tiled apply *WATstop* as primer (yield 0,3 kg/m²).
5. Given the huge variety of tiles on the market it is recommended to do a test to verify the perfect bonding of *WATstop* to the surface.
6. Waterproof joints using *Safety-Joint Roll* in combination with *Acriflex Winter* or *Acriflex Fybro* (see technical data sheet).
7. Accurately clean the surface and lay the mesh *Polites* (see technical data sheet) with 3 cm overlapon joints only at the bottom of the tank. *Polites* must not present bubbles, and it is required only when using *Acriflex Winter*.
8. Apply *Acriflex Winter* or *Acriflex Fybro* in two coats taking care to completely cover the net, avoiding to leave holes (see technical data sheet).
9. When *Acriflex Winter* or *Acriflex Fybro* is dry, apply a first coat of *Epokoat Plus* by roll or brush.
10. Once the first coat is dry (2 hours at 20°C and 40% of relative humidity level), remove the superficial condensation and apply a second coat. It is recommended to apply the second coat not after 24 hours after the application of the first coat.

APPLICATION as coating

1. Over smooth concrete apply *Epoxy Primer* (see technical data sheet).
 2. If the surface is rough, it is possible to apply *Epokoat Plus* by roll or brush without primer.
 3. Seal possible joints with *Diaseal Strong* (see technical data sheet).
 4. With rising damp, apply *WATstop* as vapour barrier (yield: 0,6 kg/m², see technical data sheet)
 5. Apply a first coat of *Epokoat Plus* by brush or short-air brush.
1. Once the first coat is dry (2 hours at 20°C and 40% relative humidity level), remove the superficial condensation and apply a second coat. It is recommended to apply the second coat not after 24 hours after the application of the first coat.

DRYING TIME

At 20°C and 40% of relative humidity level, the product drying time is 24 hours.

- If used in a containment tank, wait at least 7 days before filling the tank (at 20°C and 40% of relative humidity level).
- Drying time is influenced by relative humidity level and by temperature and may change significantly.

SUGGESTIONS

- Do not apply at temperatures lower than +5°C or higher than +35°C.
- During summer season apply the product in the cooler hours of the day, away from sun.
- Do not apply with imminent threat of rainwater or ice, in case of strong fog or relative humidity level higher than 70%.



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