

POLIKOAT

Coloured multipurpose polyurethane coating water based

It is a two-component pigmented varnish that is used as a finish, even in direct contact with epoxy systems. It has high chemical resistance and it is suitable for indoor applications. It is used as a protective coating for concrete structures designed to contain corrosive substances. It can be used as walkable coating, even to complete waterproofing systems based on synthetic resins.

ADVANTAGES

- Excellent resistance.
- Resistance to the aggressive action of weak acids, strong acids, solvents, oils and non-stagnant hydrocarbons.
- Salt resistant.
- Walkable.

APPLICATION FIELDS

The product is designed for the construction of floors and walls, where a high level of hygiene and cleanliness is required (ovens, dairies, delicatessen, pasta manufacturing plant, chemical laboratories, bathrooms etc.).

Polikoat is also suitable as protective coating of concrete used for the containment of corrosive substances.

The product can be used in combination with Diasen waterproofing systems.

It is used exclusively indoors.

YIELD

0.60 kg/m² (0.12 lb/ft²) for 2 coats on a perfectly smooth surface.

COLOUR

Yellow green RAL6018, traffic yellow RAL1023, oxide red RAL 3009, grey RAL7000
Customized colors upon request.

PACKAGING

Part A – 4 kg (8.82 lb) metal bucket;

Part B (catalyst) – 1 kg (2.20 lb) plastic bucket.

Pallet: - part A - n° 20 boxes of 5 buckets (400 kg – 881.85 lb);

- part B - n° 4 boxes of 25 buckets (100 kg – 220.46 lb).

STORAGE

Store the product in well ventilated areas, away from sunlight and ice, at temperatures between +5°C (+41°F) and +30°C (+86°F).

Storage time: 12 months.



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

Coatings - polyurethane

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, in order to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience in order to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

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Technical data		
Features		Units
Yield	0.60	kg/m ²
	0.12	lb/ft ²
Aspect	liquid	-
Colour	yellow green, traffic yellow, oxide red, grey	-
Dilution	do not dilute	-
Mixture consistency	liquid	-
Mixing ratio	part A (1) – part B (0,25)	-
pH	6	-
Pot life at +23°C – +73.4°F, R.H. 50%	30	minutes
Waiting time between 1 st and 2 nd coat (T = +23°C – 73.4°F; R.H. 50%)	max 24	hours
Application temperature	+10 / +30	°C
	+50 / +86	°F
Max humidity	70%	-
Drying time (T = +23°C – 73.4°F; R.H. 50%)	24	hours
Storage	12	months
Packaging	Part A – 4 kg (8.82 lb) metal bucket;	kg / lb
	Part B (catalyst) – 1 kg (2.20 lb) plastic bucket	

Final performances		Units	Result
Salt resistance	-	-	excellent
No-stagnant solvents resistance	-	-	excellent
Strong acid resistance (50%)	-	-	excellent
Resistance to no-stagnant oil, diesel and fuel	-	-	good
Organic acid resistance	-	-	good
Release into water	<10	mg/l	-

* The above data, even if carried out according to regulated tests are indicative and they may be change when specific site conditions vary.

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PREPARATION OF SUPPORT

- The support must be completely hardened, dry and resistant enough.
- In presence of new realised cement substrate, this must be sufficiently dry and cured.
- The surface must be thoroughly clean, well consolidated, without debris or detaching parts and perfectly levelled.
- Remove dust, greases and oils with thinner or with water and muriatic acid. After using muriatic acid, the surface must be washed with water and dried.
- In case of very dirty or crumbly surface, a mechanical clean is recommended (sand blasting, blasting or brushing) and restore it with a suitable cement mortar or epoxy filler (such as *Epofill Kit* – see product technical data sheet).
- Substrate must be completely dry and temperature must be between +10°C (+50°F) and +30°C (+86°F) with a relative humidity lower than 4%. If there is water or residual humidity, application could be difficult, the aesthetic effect and the adhesion are not good and performances are worse.

MIXING

Mix part A with pre-dosed catalyst (part B). Mix perfectly until obtaining a homogeneous mixture without lumps. Use a professional mixing drill. All the catalyst must be added with part A to allow a reaction and a perfect drying.

Apply the product within 30 minutes; after this period of time the product could quickly deteriorate.

Do not dilute the product with water or other solvents. Do not add anything else to the compound.

APPLICATION ON CONCRETE

1. Apply a first coat of *Polikoat* by short hair roller, taking care to completely cover the entire surface.
2. Apply a second coat of *Polikoat* when the first one is superficially dry. Wait maximum 24 hours between the two applications.

DRYING TIME

At +23°C (+73.4°F) and 50% of relative humidity level, the product drying time is 24 hours and it is walkable.

- Drying time is influenced by relative humidity level and by temperature and may change significantly.

SUGGESTIONS

- Do not apply to substrate temperatures and environmental temperatures lower than +10°C (+50°F) or higher than +30°C (+86°F).
- During summer season apply the product in the cooler hours of the day, away from sun light.
- Do not apply with substrate relative humidity level higher than 4% and environmental relative humidity level higher than 70%.

CLEANING

Once the product is dry it becomes washable with water. Tools can be cleaned with ethyl alcohol.

SAFETY

While handling wear personal protection means and see product safety sheet.

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