

EPOKOAT EPOXY PAINT

Multipurpose epoxy paint

Two-component coloured epoxy paint for interior, high-strength driveway coatings. Suitable for the transit of heavy vehicles such as forklift trucks. It can be used as a finish for floors and vertical walls as an alternative to tiles, in environments where continuous, seamless coverings are required.

BENEFITS

- Quick and easy to apply.
- Can be applied both vertically and horizontally.
- Walkable and non-slip.
- Resistant to salt, oil, diesel and petrol.
- Water-washable and easy to clean.
- Highly hygienic surfaces.
- Provides a continuous, seamless covering.
- Allows vehicle transit.

YIELD

Total 0,30 kg/m², in two layers.

It is mandatory to respect the expected final yield, regardless of the number of coats, to ensure a thickness that guarantees the durability of the finish.

COLOUR

White, grey, red, green.

Custom colours can be produced on request for quantities above 300 kg.

PACKAGING

Part A - 5 kg metal bucket.

Part B - 0.75 kg plastic bucket.

Pallets:

- Part A - 20 cartons (5 pieces each).
- Part B - 4 cartons (25 pieces each).

APPLICATION FIELDS

A product designed for the creation of highly resistant industrial driveway coverings, also suitable for the transit of heavy vehicles such as

forklifts. The product is also suitable for the realisation of seamless floorings, as an alternative to tiles, in environments where a high level of hygiene and cleanliness is required (bathrooms, kitchens, laboratories, etc.). Suitable for indoor environments.

STORAGE

The product must be stored in its original tightly closed containers in a well-ventilated place, away from sunlight, water and frost, at temperatures between +5°C and +35°C. Storage time 12 months.

PREPARATION OF THE SUPPORT

The substrate must be completely hardened and of sufficient strength. The surface must be thoroughly clean, well consolidated, free of crumbling and loose parts and perfectly level. Do not use petrol or diesel for cleaning. In the case of a heavily damaged surface, mechanical cleaning is recommended. Any cracks or deteriorated parts of the substrate must be repaired before the product is applied. Joints, if present, must be perfectly clean in order to eliminate any element present inside. Before applying the product, it is advisable to cover any elements that are not to be coated.

Concrete

In the presence of deteriorated and crumbling concrete, provide for restoration with *Rebuild⁴⁰ R4* (see Technical Data Sheet).



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On ground or damp substrates apply the vapour barrier *Vaposhield* (see technical data sheet). On non-humid smooth concrete surfaces apply *Grip Primer* (see technical data sheet).

For substrates not listed in the technical data sheet, contact the Diasen technical office.

MIXING

Depending on the degree of absorption of the substrate and the environmental conditions, it is advisable to dose the correct amount of ethyl alcohol required to achieve correct adhesion. The amount of ethyl alcohol specified is indicative. Mix the two components (A+B) of *Epokoat Epoxy Paint* thoroughly until a homogeneous mixture is obtained. Use all the hardener (part B) to allow the product to react completely. If necessary dilute with up to 10% of **pure ethyl alcohol for construction**. Use a professional mixer. Never add foreign components to the mixture. Once mixed, the product must be applied within 30 minutes, after which time it may quickly deteriorate.

APPLICATION

1. The product *Epokoat Epoxy Paint* must be applied in two layers.
2. Apply a first coat with a short-hair roller or brush, taking care to achieve a yield of 0.10 kg/m².
3. After the first coat has dried (approx. 6 hours at 23°C and 50% relative humidity) apply the second coat until the total yield is reached. For a better result and a more homogeneous coating, it is advisable to cross the layers.
4. It is recommended that no more than 24 hours elapse between the application of the first and second coats. Once dry, the product becomes very smooth and this may not guarantee perfect adhesion of the second layer.

WATERPROOFING – liquids

The indications and prescriptions given, while representing our best experience and knowledge, are to be considered indicative and must be confirmed by exhaustive practical applications. Diasen does not know the specifics of the application and even less the determining characteristics of the application support. Therefore, before using the product, the applicator must in any case carry out preliminary tests to verify its perfect suitability for the intended use and, in any case, assume all responsibility that may arise from its use. In the event of any uncertainties or doubts, contact the company's technical office before starting work, it being understood that this support is merely an aid for the applicator, who must in any case guarantee that he/she possesses adequate skills and experience for laying the product and for identifying the most suitable solutions. Always refer to the latest updated version of the technical data sheet, available at www.diasen.com, which cancels and replaces all others.

Treatment of expansion joints

Once *Epokoat Epoxy Paint* is completely dry, proceed with filling expansion joints with *Diaseal Strong* polyurethane sealant (see technical data sheet).

DRYING TIME

At a temperature of 23°C and 50% relative humidity, the product dries completely in 24 hours and it will be suitable for vehicles transit after 7 days.

- Protect the product adequately from contact with water for at least 7 days.
- Drying times are influenced by the relative humidity of the environment and temperature and can vary significantly.
- If applied at a higher yield than expected, drying times may be significantly longer.

SUGGESTIONS

- Do not apply at ambient and substrate temperatures below +5°C and above +30°C.
- During the summer season apply the product during the cooler hours of the day.
- Do not apply with imminent danger of frost or with relative humidity above 70%.
- Apply *Epokoat Epoxy Paint* on completely dry surfaces.

CLEANING

The equipment used can be washed with nitro thinner.

SAFETY

Always use personal protective equipment when handling and follow the product's safety data sheet.

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* These data, although performed according to standardised test methods, are indicative and may be subject to change as specific site conditions vary.

Technical Data*		
Features		Units
Yield	0,30 kg/m ² applied in two layers	kg/m ²
Aspect	liquid	-
Colour	White, grey, red, green	-
Dilution	If necessary, max 10% of pure ethyl alcohol for construction	-
Time of application (pot life) (T = 23°C / +73.4°F; R.H. 50%)	30	Minutes
Waiting time between 1 st and 2 nd layer (T = 23°C / +73.4°F; R.H. 50%)	between 6 and 24	Hours
Application temperature	+15 / +35	°C
	+ 59 / + 95	°F
Maximum humidity	70%	-
Drying time (T = 23°C / +73.4°F; R.H. 50%)	24	Hours
Vehicle transit after	7 days	Days
Storage	12 months in original packaging in a dry place	Months
Packaging	Part A – metal buckets of 5	kg
	Part B – plastic buckets 0,75	

Final performances		Units	Regulations	Result
Resistance to salts	-	-	-	excellent
Resistance to oil, diesel and gasoline not stagnant	-	-	-	excellent
Resistance to solvents not stagnant	-	-	-	good
Resistance to strong acids maximum concentration 10%	-	-	-	good
Resistance to organic acid	-	-	-	scarce
Resistance to freeze-thaw cycles	50 cycles of -15°C a +15°C	-	UNI EN 202	unchanged
Water vapor permeability	μ = 4630	-	UNI EN 7783	-



WATERPROOFING – liquids