

EPOKOAT FOOD

Epoxy paint suitable for vehicles transit and food environment.

Epoxy paint, bi-component and coloured, suitable for the covering of professional food environments like food industries, wineries, canteens or butchers. The highly mechanical strength guarantees the creation of continuous floorings and coverings, without leaks, suitable for the transit of heavy vehicles like lift trucks.

BENEFITS

- Easy and quick application.
- Both horizontal and vertical applications are possible.
- Suitable for food contact.
- Washable with water, easy cleaning.
- Highly hygienical surface.
- Suitable for vehicles transit.
- It creates a waterproofing film.

APPLICATIONS FIELD

The product is designed for the realization of floorings and surfaces of professional food environments like food industries, wineries, canteens or butchers. It creates continuous floorings and covering without leaks as an alternative to tiles. It also suitable for the transit of heavy vehicles like lift trucks. Internal use.

YIELD

Total yield: 0.35 kg/m². (0.072 lb/ft²)

Apply the product in two coats.

It is necessary to respect the expected yield: this way the thickness will guarantee the durability of the finish.

COLOUR

White, grey, red, green.

Upon request, to a greater extent of 300 kg (661.38 lb), customized colours can be made.

PACKAGING

Part A – 5 kg (11.02 lb) metal bucket.

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

Pallet: Part A – 20 cartons (each one 5 pieces– 500 kg. 1102.31lb).

Part B – 4 cartons (each one 25 pieces – 100 kg. 220.46 lb).

STORAGE


Store the product in the original containers perfectly closed, in well ventilated areas, away from sunlight and ice, at temperatures between +5°C (+41°F) and +35°C (+95°F). Storage time: 12 months.

PREPARATION OF SUPPORT

The support must be completely hardened, dry and resistant enough. The surface should be carefully clean, well consolidated, without debris or detaching parts. Do not use diesel or gasoline for the cleaning. In case of damaged surface the mechanical cleaning is recommended.

Potential cracks or detaching parts of the support should be restored before the application of the product.

If there are joints, they should be perfectly clean. Before the application of the product it is suggested to cover each element that should not be covered.



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UNI EN 1504-2
Products and system for the protection and restoration
of concrete structures –
Part 2: Protection systems of concrete surface

Water vapour permeability: μ = 4630



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

Coatings- epoxy

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

Feature		Units
Yield	0.35 0.072	kg/sm lb/ft ²
Aspect	liquid	-
Colour	White, green, red, grey	.-
Ph	10.8	-
Dilution	If necessary max 5% of Ethyl alcohol	-
Application time (Pot- life) (T=20°C; R.H. 40%)	1	hour
Waiting time between the first and the second coat (T=20°C; R.H. 40%)	Between 6 and 24	hours
Application temperature	+15° /+35° (+59°/+95°)	°C/ °F
Maximum humidity	70%	-
Drying time (T=20°C; R. H. 40%)	7	days
Storage	12 months in the original packaging and in dry places	months
Packaging	Part A – 5 kg (11.02lb)metal bucket Part B – 1 kg (2.20 lb) plastic bucket	Kg/ lb

Final performances		Legislation	Results
Resistance to strong acid	-	-	excellent
Resistance to salts	-	-	excellent
Alcohol resistance	-	-	excellent
Resistance to static solvents	-	-	excellent
Resistance to lactic acid	-	-	excellent
Resistance to acetic acid	-	-	excellent
Solid content	70%	-	-
Water vapour permeability	μ = 4630	EN 7783	-

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Concrete

In case of damaged or crumbly concrete restore it with the mortar *Buildfix CLS* (see technical data sheet).

On moist support apply *Vaposhield* as a vapour barrier (see technical data sheet).

On not moist and smooth concrete supports apply *Epoxy Primer* (see technical data sheet).

In case of supports not mentioned in the technical data sheet, contact Diasen's technical department.

MIXING

According to the support's absorption degree and to the environmental conditions it is recommended to dose the right amount of ethyl alcohol that is necessary to obtain the correct adhesion. The specified amount of ethyl alcohol is approximate. Perfectly mix the two components (A+B) of *Epokoat Food* until obtaining a homogeneous mix. Use all the catalyst (part B) to allow a complete reaction of the product.

If necessary dilute with at maximum 5% of ethyl alcohol. Use a professional mixer. Never add other elements to the mix.

Once mixed, the product must be applied within an hour. After this time it could quickly alter.

APPLICATION

1. *Epokoat Food* has to be applied in two coats.
2. Apply the first coat with short haired roll or brush.
3. When the first coat is dry (about 6 hours at 20°C (68°F) and 40% of relative humidity) apply the second coat until the total yield is achieved. Cross the coat to obtain a better result and a more homogeneous covering.
4. Do not wait more than 24 hours between the first and the second coat application. Once dried, the product becomes very smooth and it is not possible to guarantee the perfect adhesion to the second coat.

Expansion Joints treatment

Once *Epokoat Food* is completely dry, fill the joints with the filler *Diaseal Strong* (see technical data sheet).

DRYING TIME

At a temperature of 20°C (68°F) and 40% relative humidity the product dries completely in 7 days.

- Protect the product from water contact for at least 7 days.
- Drying time is influenced by relative humidity and by temperature and may change significantly. If applied with a higher yield than the expected one, the drying time could significantly increase.

SUGGESTIONS

- Do not apply at environmental temperature lower than +15°C (59°F) and higher than +35°C (95°F).
- During summer season apply the product in the cooler hours of the day, away from the sun.
- Do not apply with imminent threat of ice or with a relative humidity higher than 70%.
- Apply *Epokoat Food* on completely dry surfaces.
- If applied on concrete screed or industrial floorings, in contact with exterior walls, make sure that they are well waterproofed. The potential water rise or the capillary moisture may cause bubbles or detachments.

CLEANING

Wash the tools with nitro diluent.

SAFETY

While handling, always wear the personal protective equipment and follow the indications on safety data sheet.



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