

EPOFILL AUTOLEVEL

Self-levelling epoxy coating

Two-component self-levelling epoxy coating, water based, to be used for the thickness coating of industrial floorings and irregular supports. The product is suitable for indoor environments and it is accessible by heavy vehicles such as elevators. It creates a continuous, smooth and flat covering.

BENEFITS

- High mechanical strength.
- Easy and quick application.
- It can be used even on irregular surfaces.
- Suitable to create anti-slip coatings.
- Hydro- washable and easy to clean.
- Highly hygienic surface.

APPLICATION FIELDS

Product designed for the covering of industrial floorings or irregular supports, also accessible by heavy vehicles such as elevators. Suitable for the restoration and protection of anti-slip floorings subjected to wear; it creates a continuous and perfectly smooth and flat coating.
To be used indoor.

YIELD

5.0 – 6.0 kg/m² in one coat.

COLOUR

Red, grey.

Customized colours can be made upon request and for amounts higher than 500 kg.

PACKAGING

Part A - 25 kg metal bucket.

Part B - 3 kg plastic bucket.

Pallet: Part A - 24 buckets (600 kg).

Part B - 24 buckets (72 kg).

STORAGE

The product must be stored in original containers well closed, in well ventilated areas, away from sunlight, water and frost, at temperature between +5°C (41°F) and +35°C (95°F).

Storage time: 12 months.

PREPARATION OF SUPPORT

The substrate must be completely hardened, dry and resistant enough. The surface must be thoroughly clean, well consolidated, without debris or detaching parts. Remove dusts, greases and oils with diluents or with water and muriatic acid. When using muriatic acid, the floor must be washed with water and then let it dry. In case of much damaged surface, it is recommended the mechanical cleaning.

Possible deep lesions or really damaged parts of the support must be restored before the product application.

Joints, if present, must be perfectly clean in order to remove each element inside.

Before the product application, it is recommended to cover each element that will not be coated.

Concrete

In presence of damaged or crumbly concrete, restore it with *Rebuild CLS* (see technical data sheet).

On underground supports or on moist supports apply the vapour barrier *Vaposhield* (see technical data sheet).

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

For supports not mentioned in technical data sheet, please contact Diasen technical department,



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

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Technical data

Features		Unit
Yield	5.0 – 6.0 kg/m ² in one coat	Kg/m ²
Aspect	Semi-dense	-
Colour	red, grey	-
Application thickness	2.5 – 3.0	mm
Application temperature	+5 /+35 41/95	°C °F
Pot life at 20°C/68°F; R.H. 40%	90	minutes
Drying time (T=20°C/68°F; R.H. 40%)	72	hours
Storage	12 months in original packaging and dry places	months
Packaging	Part A –25 kg metal bucket Part B – 3 kg plastic bucket	kg

Final performances		Unit	Regulation	Result
Abrasion resistance (1000 turns with CS-10 wheels and 0.5 kg additional loading)	0.08 g 0.21%	g	UNI 10559	-
Friction coefficient static dynamic	$\mu = 0.616$ $\mu = 0.556$	-	ASTM D1894	-
Resistance to waste oil (7 days at 25°C/77°F)	-	-	-	excellent
Resistance to pure soda (7 days at 25°C/77°F)	-	-	-	excellent

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

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, 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 to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

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MIXING

According to the absorption degree of the support and to environmental conditions, it is recommended to dose the right amount of water that is necessary to obtain the correct adhesion. The specified water amount is indicative.

Pour part B (dosed catalyst) into the bucket of part A, and perfectly mix with a professional mixer, until obtaining a homogenous mix. Use all catalyst (part B) to allow a complete product reaction.

If, when mixing, the product is really dense, add maximum 5% of water in the part A, before starting the catalyzation.

Never add other substances to the product.

Once mixed, the product must be applied within 90 minutes, after that time, it may alter quickly.

APPLICATION

1. *Epo-fill Autolevel* must be applied in one coat.
2. Apply the product with steel toothed spatula (3 or maximum 4 mm high) or with squeegee, creating a thickness of 2.5 – 3 mm.
3. If there are joints, make sure not to fill them with *Epo-fill Autolevel*.
4. To avoid the formation of air bubbles on the surface, use, right after the application, a spiked roller.

Creation of anti-slip surfaces

1. After the application of *Epo-fill Autolevel*, sprinkle with quartz (grain size 0.5 – 1.0 mm), in the amount of 2.00 kg/m², taking care to cover the surface in a homogeneous way.
2. When the surface is walkable, pick up or draw any free quartz
3. Apply a coat of transparent *Epoxy Anti-dust* (see technical data sheet) to consolidate the quartz.

Treatment of expansion joints

When *Epo-fill Autolevel* is completely dry, fill joints with the polyurethane sealant *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 72 hours.

- Protect the product from water contact for at least 7 days.
- Drying time is influenced by environmental relative humidity level and by temperature and may significantly change.

If applied with a higher yield than the expected one, drying time may significantly increase.

SUGGESTIONS

- Do not apply at environmental temperature and at support temperature lower than +5°C (41°F) and higher than +35°C (95°F).
- During summer season apply the product in the cooler hours of the day.
- Do not apply with imminent threat of frost and in conditions of relative humidity level higher than 70%.
- Apply *Epo-fill Autolevel* on completely dry surfaces.

CLEANING

Wash tools with nitro diluents.

SAFETY

While handling always use personal protective equipment and respect the instructions described in product safety data sheet.



Coatings - epoxy

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