

EPOKOAT Epoxy Paint

Multipurpose epoxy paint.

Bicomponent coloured epoxy paint to be used for internal coating, vehicle accessible high resistant. Suitable for transit of heavy vehicles like forklift. It can be used as coating for floors and vertical walls as an alternative to the tiles, in environments where continuous coatings are required, free of joints.

BENEFITS

- Easy and quick to apply.
- Applicable both in vertical and horizontal.
- Walkable and no-slip.
- Resistance to oil, diesel and gasoline not stagnant.
- Hydro- washable and easy to clean.
- Highly hygienic surface.
- Realize a continuous coating without joints.
- Vehicle transit.

APPLICATION FIELDS

Product designed for the realization of high strength driveways industrial coatings, also suitable for the transit of heavy vehicles such as forklifts. The product is also suitable for the production of floors without joints, as an alternative to the tile, in environments where it is necessary a high level of hygiene and cleanliness (bathrooms, kitchens, laboratories, etc.). Suitable for use indoors.

YIELD

Total 0,30 kg/m².

The product is applied in two layers.

It is necessary to respect the expected yield, regardless of the number of hands, to ensure a thickness able to guarantee the durability of the same finish.

COLOR

White, grey, red, green.

On request for quantities exceeding 300 kg you can create custom colours.

PACKAGING

Part A – metal bucket of 5 kg.

Part B – plastic bucket of 0,75 kg.

Pallet: Part A – 20 cartons (5 pieces each).

Part B – 4 cartons (25 pieces each).


STORAGE

The product should be stored in the original containers tightly closed in well-ventilated areas, to protect from sunlight, water and frost, at temperatures between + 5 ° C and + 35 ° C. Storage time 12 months.

PREPARATION OF SUPPORT

The surface must be completely hardened and with sufficient strength. The surface must be thoroughly clean, well consolidated, without friable parts and inconsistent parts and perfectly levelled. For cleaning do not use gasoline or diesel fuel. In case of very damaged surface mechanical cleaning is recommended.

Any injury or deteriorated parts of the substrate are to be restored before applying the product. In case of presence of joints, they must be thoroughly cleaned to remove any element inside. Before applying the product, you may want to open each item that should not be coated.



Diasen srl
Zona Industriale Berbentina, 5 Sassoferrato ANCONA
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UNI EN 1504-2
Products and systems for the protection and repair of
concrete structures –
Part 2 : systems of protection of the concrete surface.

Water vapor 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 nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen does not know the peculiarities of the application and the crucial features of the substrate where the product will be applied. Therefore, before the application of the product, the applicator must perform a preliminary test to verify the perfect suitability for the intended use and, anyway, the applicator is liable for any use of the product. In case of doubts, please contact our technical office before starting the work, provided that such support is simply a help for the applicator, which shall in any case ensure the possession of appropriate skills and experience for the installation of the product and to identify the most appropriate solutions. Please refer to the updated version of the data sheet, available on www.diasen.com website that supersedes all others.

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| Technical Data | | |
|---|--|-------------------|
| Features | | Unit |
| Yield | 0,30 | kg/m ² |
| Aspect | liquid | - |
| Colour | White, grey, red, green | - |
| Dilution | If necessary max 10% of ethyl alcohol | - |
| Time of application (pot life) a 20°C; U.R. 40% | 30 | minutes |
| Waiting time between 1 st and 2 nd coat (T=20°C; U.R. 40%) | Between 6 and 24 | hours |
| Application temperature | +15 /+35 | °C |
| Maximum humidity | 70% | - |
| Drying time (T=20°C; U.R. 40%) | 24 | hours |
| Vehicle transit | 7 | days |
| Conservation | 12 months in original packaging in a dry place | months |
| Packaging | Part A – metal buckets of 5 Part B – plastic buckets 0,75 | kg |

| 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 | - |

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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Concrete

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

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

On not moist and smooth concrete, 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 absorption degree of the support and the environmental conditions it is suggested to dose the right amount of ethyl alcohol that is necessary to obtain the right adhesion. The specified amount of ethyl alcohol is approximate.

Perfectly mix the two components (A+B) of *Epokoat Epoxy Varnish* until obtaining a homogeneous mix. Use all the catalyst (part B) to allow a complete reaction of the product.

If necessary, dilute with maximum 10% of ethyl alcohol. Use a professional mixer. Never add other elements to the mix.

Once mixed, the product must be applied within 30 minutes. After this time it could quickly alter

APPLICATION

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

Expansion Joints treatment

When *Epokoat Epoxy Varnish* is completely dry, fill the joints with the polyurethane filler *Diaseal Strong* (see technical data sheet).

DRYING TIME

At a temperature of 20°C (68°F) and relative humidity of 40% the product dries completely in 24 hours and it will be suitable for vehicles transit after 7 days.

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

SUGGESTIONS

- Do not apply with environmental and support temperature lower +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 sunlight.
- Do not apply with imminent threat of ice or with a relative humidity higher than 70%.
- Apply *Epokoat Epoxy Varnish* on completely dry surfaces.

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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