

025 Deep

2-C EP DEEP

PRODUCT SPECIFICATIONS

Two-component, epoxy resin, damp proof coating to block residual moisture of concrete and cement screed up to 4 CM %. For the stabilization of unstable and wrecked screed with very good subfloor penetrating properties. For the protection of dry, moisture sensitive subfloors such as anhydrite, calcium sulphate and stone wood composites against surface water from levelling compounds or adhesives.

Can be mixed with 846 or 847 Europlan Sand to create spatula applicable epoxy-mortar to repair subfloors, closing cracks and holes.

Can also be used to cover old adhesive on subfloors before applying levelling compound or adhesive. before levelling works, improved bonding by quartz sand blinding of still wet final coat of 025 with 846 Europlan Sand (2 - 2,5 kg/m²).

For indoor use only. Can be used on underfloor heating systems.

Solvent-free.



FLOOR COVERING



PARQUET



CERAMIC TILES

AREAS OF APPLICATION

- As a blocking primer against rising and residual moisture on non-heated concrete and cement based screeds up to 4,0 CM%.
- As a primer coat on sanded mineral sub-floors, tiles, old and stable water based adhesives, with high pressure and dynamic stress.
- As a primer coat on poured asphalt (DIN 18354/EN 13813).
- As a dry barrier on moisture sensitive sub-floors e.g. Anhydrite-Calcium Sulphate and stone-wood screeds against surface water from levelling compounds and adhesives.
- As stabilizer for worn down surface areas
- As a scratch screed by adding quartz sand
- As a binding agent to repair epoxy mortars

TECHNICAL DATA

Base	Epoxy resin/ Amin
Colour	Transparent/ brown
Density	Approx 1.09g/cm ³
Consistency	Low viscosity
Cleaning agent	815 Handclean, 358 ToolCleaner
Processing conditions	On sub-floor not below 15 °C, material- and room temperature not below 18°C 35-75% relative air moisture, recommended <65%, at least 3°C above dew point

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Mixing ratio	A : B = 1,8 l : 1 l volumes; weight (6.9 kg : 3.1 kg)
Pot life	At 20°C approximately 25-30 minutes after opening
Mode of application	Rubber spatula/ nylon roller
Consumption	Depending on the absorbency and surface structure, approximately 250-400 g/m ² per coat
Drying time before further works	At least 16 hours, maximum 48 hours
Permitted shelf-life	Permitted shelf-life: within 24 months in original tightly closed packing, at temperature 5-30°C.
Storage condition	Cool and dry place, temperature: 5 - 25 °C,
underfloor heating systems	Usable, maximum surface temperature 29°C
Fire sensitive	NO
Frost sensitivity	NO
Code acc. to GHS	Please pay attention to the label and MSDS
Environment/Work safety	GISCODE: RE30 A: EUH205 Contains epoxy constituents. May produce an allergic reaction. B: EUH071 Corrosive to the respiratory tract.

SUB-FLOOR

The subfloor must meet the requirements according to national standards, e.g. it must have a good compression and tensile strength, permanently dry, crack and dust free, flat, even and rigid. In case of defects, it must be informed in written form. The subfloor must be prepared in accordance to standard subfloor requirements before application of the primer.

Floated concrete and cement screeds to be shot-blasted.

Joints and cracks are to be filled with recommended Eurocol solution (e.g. 913 Europlan Silicat).

The sub-floor must have load-bearing capacity, cement screed up to 4 CM% moisture limit.

When applying onto under-floor heated screeds residual moisture measurement must be made.

INSTRUCTIONS FOR USE

Mix completely the hardener into the resin, mixing with an electric mixer for approximately 5 minutes. Make sure to mix thoroughly then pour the mixture into a clean bucket and mix again

Evenly apply the mixture using a rubber spatula or nylon fibre roller.

Avoid puddles.

In warm conditions to extend the opening lifetime, the mixture should be poured out into puddles and then spread evenly. If used as a bonding bridge or surface stabilizer, one coat should be enough.

For heavy absorbent sub-floors or if used as a moisture blocker, a second coat will be required. Apply the second layer after approximately 16 hours, maximum 24 hours (cross application to first coat).

If used to reduce any bonding issues with following levelling works, a sand-blinding using 846 Europlan Sand (0.4-1mm) is to be done into the wet second coat, all excess sand should then be vacuumed away before next step.

Use as a reactive epoxy mortar

With the addition of Eurocol 846 Europlan sand and Eurocol 847 Europlan sand, a reactive epoxy mortar can be created (mix in mass % 1:0.8 up to 1:9 resin + sand), the finished application is to aggregate blinding.

The mortar needs to be sanded as described above. Loose quartz sand needs to be vacuum cleaned as soon as the mortar is dry (after approx. 24 h).

SAFETY NOTES

All standards and regulations are to be applied. Outside Germany the local national standards are to be applied, pay attention to BG Chemical information leaflet M023 "working with Polyester and epoxy resins" and BGR227 work with epoxy resins

When using as a moisture barrier, make sure there is enough ventilation at skirting and behind cupboards.

Only mix complete bucket contents!

Pay attention the technical data sheets from approved product.

After complete hardening there is no more danger or hazard.

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Partial mixing is not allowed.
No building sanction according to DIN 18195.

PACKAGING

10 kg combined nonreturnable package (45per pallet)

FURTHER INFORMATION

Any use and application other than those specified in this Technical Information requires Eurocol explicit approval, otherwise no liability can be assumed.

The information contained in this product information has been based on tests and experiences operated in laboratory and practical work. The versatility of materials, variations in processes, storage methods and local conditions beyond our control make it impossible to give guarantees for processing results. Therefore, we recommend customers to make their own tests and find the optimum and suitable results before using and apply. The General Terms and Conditions of our company shall apply.

This Technical Information supersedes all other application data sheets and product information published before.

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