

# 835

## COLORED, 2 COMPONENT EPOXY COATING

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### PRODUCT DESCRIPTION

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Dispersion-based, colored, two-component epoxy floor coating, with high color opacity, which hardens high percentage cross-linking to a durable floor, permeable for groundwater vapor. Applied in two layers creates an excellent, abrasion and chemical and slip resistant floor surfaces in indoor and outdoor areas, which can be re-used quickly.

It is possible to sprinkle Eurocol acrylic color flakes (for special decorative effect) into the wet top coat. The sprinkled coat has to be sealed with a suitable transparent Eurocol PU coat to protect them from peeling up and collecting dirt. The Eurocol PU coat improves the scratch resistance and acts as a sacrificial layer.

Applicable on underfloor heating systems. For residential and commercial application.

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### PRODUCT FEATURES

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Fast curing, virtually odor free, chemical resistant, easy to clean, non-flammable, excellent bonding power to cement-based floors (concrete, screed, levelling compounds)

Application in Industry, Health & Care, Public areas (loggias, galleries, storage rooms, stairways, office floors etc.), private parking garages.



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### TECHNICAL DATA

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Base	component A (coating): Epoxy resin component B (hardener): Polyamine
Color	dependent on customer requirement, RAL 7032 (pebble grey)
Density	component A: about 1,13 g/cm <sup>3</sup> , might vary dependent on color component B: about 1,70 g/cm <sup>3</sup>
Texture	liquid
Cleaner	remove liquid spills with water, remove dried parts mechanically
Processing conditions	min. 15 °C floor temperature, min. 18°C material- and room temperature, 35-80% rel. humidity, recommended <65%, no application below dew point, measured in vicinity of the sub-floor sub-floor temperature min. 3 °C above dew point
Ratio of mixture	1 part coating (component A) : 5 parts curing agent (component B)
Pot life	approx. 40 minutes at 20°C, dependent on room temperature

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## Eurofinish Epoxy Duo

Application	Eurocol-roller, 10 mm floor, lint-free	
Consumption	approx. 200 - 300 g/m <sup>2</sup> / application layer, highly absorbent surfaces might consume more	
Drying time (dry to over-coat)	approx. 12 – 16 hrs, 20°C, 50 % rel. humidity	
Drying time/ fully hardened	can be used carefully 12 – 16 hrs after last sealer coat has dried. After 24 hrs approx. 80%, after 7 days full durability	
Permitted shelf-life	12 months from date of production in unopened, original container	
Storage conditions	container to be stored cool, dry and tightly concealed at normal temperature 5 – 30 °C	
Sensitive to moisture	component A: no component B: no	
Sensitive to frost	yes	
Code acc. to GHS	component A: see safety data sheet component B: see safety data sheet	
Environmental protection	GISCODE:	RE1
	DecoPaint EU/2004/42:	Maximum content of VOC of the product in a ready to use condition: < 140 g/l, category IIA/j typ wb
	DGNB:	VOC 0 %, Quality level: 4
	LEED:	0 g/l
Component A: Contains epoxy constituents. May produce an allergic reaction..		

### FLOOR PREPARATION flooring coating

The subfloor must be, sound, even, crack-free, permanently dry, clean and free of contaminations which would impair short or long term bonding or cause discoloration. In case of applying the product over under-floor heating systems, check existing measuring points regarding their moisture content acc. to DIN 4725/4 German standard.

For smoothing the floor use recommended Eurocol self-leveling compounds. The sub-floor must have at least the load-bearing capacity of the finally desired demand on the floor. The quality of the subfloor preparation determines the quality of the final performance. Therefore any adhesion-reducing or unstable layers, e.g. release agents, loose adhesives, compounds, covering- or paint residues, oil, wax, dust, plasticizers etc. must be removed, e.g. by brushing, abrading, grinding or shot-blasting. The tensile strength must be  $\geq 1,5 \text{ N/mm}^2$  on average. Thoroughly vacuum off loose material and dust. Cracks and holes have to be closed.

Use a suitable Eurocol primer according to the type and condition of the subfloor. Allow any primers that are applied to dry completely.

Before work commences, examine the areas to be repaired and/or covered and report any deficiency or adverse condition in writing to the general contractor, owner, developer, architect, engineer or designer. Do not proceed with the work until surfaces and conditions comply with the requirements indicated in relevant, written instructions; applicable industry standards; federal, state/provincial and local regulations; and good work practices. By beginning work, the applicator/user acknowledges that the conditions are acceptable for installation.

Read Eurocol instructions for subfloor preparation. National norms has to be applied.

### APPLICATION Lacquer/paints

Stir well up base coat (component A) in original canister. Empty the container completely into a clean mixing plastic-container, add the hardener (component B) immediately and mix thoroughly with electric mixer for 3 minutes. Allow the mixture to set for 40 minutes (20°C).

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For the first layer use the sealant mixed with max. 20 % of clean water. Non-absorbent sub-floors: max. 10% of clean water.

Apply the mixture with Eurocol roller cross-wise two times within an intermediate drying time of 12 - 16 hrs. If over-coating has to be done after 24 hrs. the previous coat surface must be fine- sanded with sanding mesh, grit size 120.

### For perfect application results:

Roll out the sealing mixture evenly onto the floor using Eurocol sealing roller. Start application works on the side with the main incidence of light (window side of the room). Work away from the light source. In this way, it will be possible to keep an eye on the floor during work and enables to correct any application irregularities immediately. Apply the sealer by working in sections of a maximum of 1 meter in width at right angles. Apply first layer considering the incidence of light parallel to the window side of the room. Over roll the first layer crosswise this time towards to the direction of the widow light. Then roll second layer out cross-wise evenly. Avoid the formation of pools/ puddles.

During lacquer, application wear disposable shoe covers to avoid shoe marks.

Consider technical instructions of goods manufactured and/ or delivered by third party.

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### NOTES Lacquer/paints

Pay attention to the batch number printed on the label or on the container. Use only products with the same batch number, especially in final top coating. In case of different batch numbers, mix them in a separate mixing container before using.

Coloring products (e.g. hair dyes, colored wound disinfectants), plasticizer migration (e.g. from vehicle tire, rubber containing products) can lead to irreversible discoloration of the sealing coat. However color and gloss level deviations might be caused by poor coverage, film-thickness deviations or variation in sub-floor absorbency, insufficient wetting by inadequate subfloor preparation.

The sealer is extremely resistant to chemicals. However, if resistance for disinfectants or other specific chemicals is required, pre testing is advised. Use lint-free Eurocol roller for lacquer application to avoid surface defects. Avoid harmful working- and drying conditions (heat, cold, cross draft, excessive air moisture caused by air-conditions, fans, open windows, direct sunlight).

After the sealer has hardened, use Eurocol cleaning maintenance products for cleaning and care. Ask for Eurocol cleaning instructions.

The product is for professional use only. The application shall be carried out by experienced professionals with the capacity to mix/stir the lacquers correctly. If needed the use of appropriate protection equipment is advised.

Slight changes in colour due to weather conditions/UV rays do not influence the properties of the sealant.

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### PACKAGING

12 kg (components A + B); content of the component (A): 10 kg, 32/ pallet

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### SPECIAL NOTE

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturers approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed.

This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work.

The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customers utilization of the technical data sheet content.

As the usage, processing- and storage conditions on site are beyond the manufacturer's influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties.

Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the

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customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use. This Technical Information supersedes all previously issued application data sheets and product information are no longer valid! Technical information and Material Safety Data Sheets of concomitantly used installation materials must be followed carefully. Precautionary notices displayed on the container have to be observed. Use under well acclimatized conditions. Avoid direct skin contact. In the event of direct contact, it should immediately be washed with suitable cleaner, soap and water. Eye contact should be cautiously be washed and medical attention should be immediately sought after.

The products delivered by the manufacturer are for professional use only. Keep away from children. The manufacturers terms and conditions are binding.

Last updated 2016-12-12  
Supersedes issue as of 2008-06-24

Version 02  
45821-HW01