

STRUCTURED COATING SB 2

- > glossy
- > structured
- > thin-layered
- > studded



Product description

Solvent-free, glossy, studded, structured, pigmented thin coating in two components on epoxy resin base with medium chemical and mechanical capacity. Due to the thixotropic setting of the material, a nub-like surface structure is achieved by rolling using a structured roller.

Delivery format:

Container	Outer packaging	Pallet
12,5 KG / BLE		42
2,5 KG / BKA		100

Storage:

Can be stored for about 24 months in a frost-free, cool, and dry environment on a wooden rack in the unopened original container.

Processing

Recommended tools:

Low-speed electric agitator, suitable mixing vessel, structured roller, hand or surface rake, notched trowel A3.

Mixing:

Component A and component B are basically delivered in the relevant correct mixing ratios. A scale must be used to determine partial quantities. Thoroughly mix component A using a slow-rotating electric agitator (approx. 300 rpm), then add component B and continue mixing until a homogeneous, lump-free consistency is reached (approx. 2-3 minutes).

To prevent mixing and/or proportioning mistakes, the mixed material must be decanted into a clean, dry container (repotted) and stirred thoroughly again.

Processing:

Depending on the application, pour the material onto the pretreated substrate section by section and distribute across the entire surface with a suitable tool. (Toothing A3) Roll the thin coating in fresh state immediately crosswise by means of a structured roller (available in the paint shop).

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Technical data

Can be walked on	approx. 24 hrs
chemically load-bearing	7 days
EN_chemische Basis	Epoxy resin
Density	Comp. A + B approx. 1.55 g/cm ³
Colour	can be tinted in approx. RAL colour tones RAL 1001, 1015, 7030, 7032, 7035, 7038, 7040, 7042, 7044, 7046 and 9002
Viscosity	Comp. A + B approx. 190,000 mPa*s
Consumption	approx. 0.5 - 0.7 kg/m ²
mechanically load-bearing	3 days
Mixing ratio	5:1
Recoatibility	approx. 24 hrs
Pot life	approx. 30 min

Substrate

Suitable substrates:

Requirements for mineral substrates:

The substrate must be dry, stable, and free of separating, intrinsic, and dissimilar substances, pursuant to the IBF Directive for industrial substrates made of reaction resin. Residual moisture max. 4% by weight, measured with the CM device. Substrate temperature greater than 12 °C and 3 K above dew point; adhesive tensile strength on average 1.5 N/mm²; adhesive tensile strength smallest single value 1.1 N/mm²

Product and processing instructions

Material instructions:

- When working outside the ideal temperature and/or humidity range the material properties may change significantly.
- Bring materials to correct temperature before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water addition amounts or dilution instructions must be precisely kept!
- Check the colour accuracy of tinted products before use.
- Colour uniformity can only be guaranteed within one batch.
- The ambient conditions substantially influence colour development.
- Open containers carefully and stir the product well.
- Use a scale to mix partial quantities.
- After mixing, reaction resins must be processed as quickly as possible.
- Water-based systems have a limited shelf life after dilution with water; therefore, we recommend the quickest possible processing.
- In the case of water-based systems, the quantity of water specified by the manufacturer may only be added after components A and B have been mixed.
- Always allow primers to dry/cure well.
- Odour formation of solvent-based systems must be observed.
- Applied reaction resins can be walked on after 1 day at a constant temperature of +20 °C, can be mechanically load-bearing after 3 days, and are chemically load-bearing after 7 days.
- With UV loads and the influence of certain chemicals, the surface can discolour or yellow, which, however, does not impair the functionality and usability of the coating.
- Residual quantities which are not needed and which have already been mixed must be mixed with quartz sand (smoke generation).

Environmental information:

- Do not process at temperatures below + 5 °C!
- The ideal temperature range for material, substrate, and air is +15 °C to +25 °C.
- The ideal relative air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction, and hardening phase; avoid draughts!
- Protect from direct sunlight, wind, and weather!
- Protect adjacent components!

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Coating Technology

- The substrate temperature must be at least 3 K above the dew point (the prevailing relative humidity and the air temperature can be used to determine the respective dew point temperature by means of a dew point table).
- During the reaction phase protect against impurities (dust, insects, leaves, etc.).
- If the time window of 48 hours between the individual work steps is exceeded an intermediate sanding must be carried out!
- We recommend systems which are resistant to yellowing in areas exposed to UV.

Tips:

- We recommend using a test surface first or a small area for initial small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.
- To avoid projections and visible transitions of several working paths, these must be processed offset for longer lengths!
- Abrasive, scratching mechanical loads lead to wear marks.
- Plasticisers from car tyres can lead to discolouration.

The information provided reflects average values obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.