

EXPRESS COAT EC 260

- > quick reacting
- > thin and thick-layered
- > UV-stable and low yellowing tendency
- > glossy



Product description

Solvent-free, glossy, fast-reacting, transparent, indoor and outdoor 2-component reactive resin system for surface protection systems not exposed to traffic.

Suitable for thin or thick-layered sealing of mineral substrates, as a scattering layer for chip scattering, as well as for sealing reaction resin coatings based on EP, PU or PAS, as well as a binding agent and topcoat for natural stone coverings.

Delivery format:

Container	Outer packaging	Pallet
5 KG / BLE		42
4 KG / BKA		99

Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container for approx. 12 months.

Processing

Recommended tools:

Slow-running electric stirrer, suitable mixing vesselbrush, brush, roller, rubber broom, airless sprayer.

Mixing:

Component A and component B are in the relevant correct mixing ratios. A scale must be used to determine partial quantities. Stir component A thoroughly using a slow-rotating electric mixer (about 300 rpm) and then add component B and stir until a homogeneous, streak-free consistency is achieved (about 2-3 minutes). To prevent mixing and/or proportioning mistakes, the mixed material must be decanted into a clean, dry container (repotting) and stirred thoroughly again. In the course of this, quartz sand and/or suspending agents can be added if necessary.

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Processing:

- Apply the first layer of Express Coat EC 260 using a Micro paint roller
- Wait for the application of each additional layer until it can be walked on (about 4 hours depending on the temperature)
- Apply as a "top seal" apply to excessively chipped floors using a smooth spatula or rubber slide and then re-roll by a second person immediately afterwards using a Micro paint roller.

Note:

With smooth flow coatings, the hardened surface is pre-treated with a pad before applying the sealant to remove separating films/substances and to avoid wetting problems. Any lubricating films are removed with acetone - sprinkle cotton or microfibre cloth with Murexin acetone and wipe surface clean.

Technical data

Chemical base	PAS
Density	Comp. A + B approx. 1.1 g/ml
Viscosity	Comp. A + B approx. 950 mPa*s
Consumption	as primer approx. 0.2 - 0.4 kg/m ² on mineral substrates as a bedding layer approx. 0.4 kg/m ² for chip scattering as seal approx. 0.15-0.25 kg/m ² on top coats as a top seal approx. 0.35 kg/m ² on chip-coated layers
Mixing ratio	A : B = 5 : 4
Layer thickness	max 1 mm
Pot life	approx. 20 min. (at 20 °C)
Recoatibility	approx. 4 hrs (at 20°C)
Processing temperature	min. 5 °C max. 30 °C
Substrate temperature	min. 5 °C max. 25 °C

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 Guideline "Industrial floors made of reactive 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:

- The material properties may change significantly when working outside the ideal temperature and/or humidity range.
- Bring materials to the correct temperature before processing!
- To retain the product properties, no foreign materials may be added!
- Water addition amounts and dilution instructions must be precisely adhered to!
- Test tinted products for colour accuracy before use!
- Colour consistency can only be guaranteed within an individual batch.
- The colour formation is significantly influenced by environmental conditions.
- Open the container carefully and stir the product well!
- Weighing scales must be used for the mixing of partial quantities!
- After mixing, process reaction resins as quickly as possible.
- Water-based systems can only be preserved to a limited extent after dilution with water; We therefore recommend processing as quickly as possible.
- In the case of water-based systems, the amount of water specified by the manufacturer may only be added after mixing components A and B.
- Always allow primers to dry/harden.
- Monitor the odour of solvent-based systems.

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- Applied reaction resins can be walked on at a constant temperature of +20°C after 1 day, after 3 days they are mechanically resistant, and after 7 days they are chemically resistant.
- UV exposure and exposure to certain chemicals may cause discolouration or yellowing on the surface, but this does not affect the functionality and performance of the coating.
- Unused, already mixed residual quantities must be mixed with quartzite sand (smoke development).

Environmental information:

- Do not process at temperatures below +5°C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is between 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting, and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Provide sufficient ventilation during the drying, reaction and hardening phases; Avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjoining components!
- The substrate temperature must be at least 3 K above the dew point.

(Based on the prevailing relative humidity and the air temperature, the respective dew point temperature can be determined by means of a dew point table.)

- Protect against contamination (dust, insects, leaves, etc.) during the reaction phase!
- If the 48-hour time window is exceeded between the individual work steps, an intermediate sanding must be carried out!
- In UV-exposed areas we recommend systems that are resistant to yellowing.

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.

Safety instructions

Please refer to the safety data sheet for product-specific information with regard to composition, handling, cleaning, corresponding actions, and disposal.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

- The usual precautionary measures should be adhered to when handling chemicals.
- Do not bring in food, beverages or animal feed.
- Remove all contaminated clothing immediately.
- Wash hands before breaks and at the end of work.

Respiratory protection:

- In case of short or short-term use, use a respirator; in case of intensive or prolonged exposure use self-contained breathing apparatus.

Hand protection: Protective gloves.

Glove material

- Nitrile rubber

- The selection of suitable gloves does not only depend on the material but also on further marks of quality and varies from manufacturer to manufacturer.

Priming time of the glove material

- The exact breakthrough time has to be requested from the manufacturer of the protective gloves.

Eye protection: Goggles recommended during refilling.

Body protection: Protective work clothing.

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