

EXPRESS COAT EC 60

- > quick hardening
- > glossy
- > low UV and low yellowing tendency
- > can be used in low temperature range



Product description

Solvent-free, glossy, quick-reacting, transparent, two-component reactive resin system for surface protection systems in industrial flooring area.

For priming mineral substrates, as blinding layer for chip spreading, as well as for sealing full surface chipped layers.

Delivery format:

Container	Outer packaging	Pallet
6 KG / BLE		42
4 KG / BKA		99
1,5 KG / BDO		132
1 KG / BKA		198

Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: 365 days

Processing

Recommended tools:

Slow-rotating electric agitator, suitable mixing vessel, brush, roller, rubber broom, airless sprayer..

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 via 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. In the course of this, quartz sand and/or suspending agents can be added if necessary.

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Processing:

- Apply first layer Express Coat EC 60 (consumption: approx. 400 g/m²) via smooth spatula or rubber broom, with a second person immediately afterwards rolling with a Micro paint roller and then remove chips (chips requirement: approx. 500 g/m²).
- Before applying each further layer, wait until it can be walked on (approx. 1 – 2 hours), intermediately sand with sanding disk 60/80 and vacuum well.
- We recommend an overall design in min. 2 layers.
- On the (sanded and vacuumed) last layer, apply Express Coat EC 60 (as "topcoat" consumption: approx. 300 g/m²) via a smooth spatula or rubber broom, with a second person immediately afterwards rolling with a micro paint roller.

Technical data

Density	Comp. A approx. 1.1 g/ml, comp. B approx. 1.1 g/ml, comp. A + B
Viscosity	Comp. A approx. 1100 mPa*s; comp. B approx. 700 mPa*s; comp. A +
Consumption	as primer approx. 0.3 - 0.4 kg/m ² on mineral substrate as litter layer approx. 0.4 - 0.5 kg/m ² for chip spreading Spreading chips approx. 0.5 kg/m ² per full-coverage layer (in excess) as topcoat approx. 0.25 - 0.35 kg/m ² on layers with chips removed
Mixing ratio	A : B = 6 : 4
Pot life	approx. 10 min. (at 20 °C)
Recoatibility	approx. 60 min. (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 Directive - industrial substrates 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 information:

- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.
- Carefully open the container and shake the product well!
- Use a scale to mix partial quantities!
- Reactive resins are to be processed as quickly as possible after mixing.
- Water-based systems have only a limited shelf life after dilution with water, which is why quick processing is recommended.
- With water-based systems, the water quantity specified by the manufacturer may only be added after stirring components A and B.
- Always allow primer to dry/harden well.
- Observe the odours caused by solvent-based systems.
- At a constant temperature of + 20 °C, applied reactive resins can be walked on after 1 day, are mechanically resistant after 3 days and chemically resistant after 7 days.

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Coating Technology

- With UV loads and the influence of certain chemicals, the surface can discolour or yellow, which 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).
- Damage, scratch resistance - scraping mechanical loads cause wear marks.
- Cleaning and care depending on frequency.

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 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.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against contaminants (dust, insects, foliage etc.) during the reaction phase.
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!
- The substrate temperature must be at least 3 K above the dew point.
(The corresponding dew point temperature can be determined via the prevailing relative air humidity and the air temperature from a dew point table.)
- Protect against contaminants (dust, insects, foliage etc.) during the reaction phase!
- If the time window of 48 hours is exceeded between the individual work steps, intermediate sanding is required!
- 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.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.
- To avoid sediments and visible transitions between work tracks, these are to be processed offset for longer lengths!
- Abrasive, scraping mechanical loads cause wear marks.
- Plasticisers from vehicle tyres can cause discolourations.

The information provided reflects average values that were 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 safety data sheet for product-specific information with regard to composition, handling, cleaning, corresponding actions and disposal.

Limiting and monitoring exposure

Personal protective equipment:

General protection and hygiene measures:

- Common safety measures for handling chemicals are to be observed.
- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.

Breathing protection:

- Use a breathing filter device for short term or minor exposure; for more intensive or longer exposure, use a self-contained breathing apparatus.

Hand protection: protective gloves.

Glove material

- Nitrile rubber

- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer.

Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

Eye protection: Protective goggles recommended when decanting.

Body protection: protective clothing.

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Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released.

The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.