POLYURETHANE COATING PU 600

> highly elastic
> dynamic crack bridging
> tested OS 11 b system

Product description

Solvent-free, highly elastic, self-levelling, dynamically crack-bridging, impact noise reducing, 2-component reactive resin based on polyurethane. For producing intermediate layers or wear layers filled with quartz sand and gritted in tested car park systems on cement-bound substrates.

Delivery format

Container	Outer packaging	Pallet
20 KG / BLE	-	14 BLE
10 KG / BHO	-	60 BHO

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

Processing

Recommended tools
Slow-rotating electric agitator, suitable mixing vessel, trowel, smoothing trowel, spatula, micro paint roller, hand or surface rake, rubber broom, de-aeration roller.

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 (repotted) and stirred thoroughly again.

Processing
Depending on the application, pour the material onto the primed/levelled substrate section by section and distribute across the entire surface with a suitable tool.
- Apply as a bedding layer for car park systems filled with fire-dried quartz sand and sprinkled with an excess of fire-dried quartz sand when fresh.

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Technical data

Chemical base	Polyurethane
Density	approx. 1.20 g/m³
Viscosity	approx. 5250 mPas
Consumption	approx. 1.2 kg/m² per mm of layer thickness
Mixing ratio	1:2
Recoatability	after 18 h at 20°C
Shore D hardness	approx. 70
Processing temperature	10 - 30°C

Test certificates

Tested in accordance with (standard, classification ...)
EN 1504-2

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.
- 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.

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- 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, appropriate measures and disposal.

Limiting and monitoring exposure
Personal protective equipment:
General protection and hygiene measures:
- Keep away from foodstuffs, beverages, and feedstuffs.
- Immediately take off dirty, soaked clothing.
- Wash hands before breaks and when finishing work.
- Do not inhale gases/vapours/aerosols.
- Avoid contact with the eyes and skin.
Breathing protection:
- For short-term or low load use breathing filter device; use self-contained breathing apparatus for more intensive or longer exposure.
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. As the product is a preparation made up of many substances, the resistance of glove materials cannot be predicted in advance and must therefore be checked before use.
Penetration time of the glove material
- The precise penetration time must be obtained from the protective glove manufacturer and complied with.
Eye protection: tightly sealed protective glasses.
Body protection: occupational protective clothing.

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.
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.

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