EPOXY COATING
ASD 130

> electrostatically dissipative
> highly mechanically load-bearing
> high chemical resistance
> glossy

Product description

Dissipative, glossy, solvent-free, pigmented coating for antistatic, mechanically and chemically loaded industrial floor areas, based on 2-component epoxy resin.
Only indoors. For electrostatically dissipative floor coatings in areas with high loads.

Delivery format:

Container	Outer packaging	Pallet
5 kg / BKA		99 pcs.
25 kg / BKA		16 pcs.

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

Processing

Recommended tools:
Slow-rotating electric mixer, suitable
mixing vessel, smoothing trowel, spatula, hand or area scraper,
de-aeration roller.

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.

Processing:

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Depending on the application, apply the material to the pretreated substrate section by section with a suitable tool.
- apply as coating unfilled and aerate in fresh conditions with suitable tool

Technical data

Bleeder	10^6 Ohm to 10^9 Ohm
Density	Comp. A + B approx. 1.45 g/cm³
Colour	RAL of your choice
Viscosity	Comp. A + B approx. 25,000 mPa*s
Consumption	approx. 1.45 per mm / m² layer thickness
Mixing ratio	A:B = 5:1
Layer thickness	1 mm minimum / 3 mm maximum (recommended)
Recoatability	after approx. 12 hrs
Pot life	approx. 40 min. (at 20 °C)

Test certificates

Tested in accordance with (standard, classification ...)
electrically conductive - ÖNORM EN 1081, EN 1504-2:2005

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

Substrate pre-treatment:
The substrate must be prepared by means of a suitable mechanical process.
Before applying the surface protection system, the surface is primed, levelled and non-porous.

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!

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- 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.
- 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.
- The shade designations listed (RAL, NCS,...) are to be understood as shade descriptions without guaranteed matching of the original shade chart.
- If you are using different products (on the same object), colour consistency can not be guaranteed even if the colours have the same designation.
- Note that the colour will change when adding quartz sand, thixotropic agents, suspending agents or similar!
- 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 the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
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Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temper atures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- 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.
- The substrate must be prepared by means of a suitable mechanical process.

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.
- Contact with vehicle tyres or other plastics which contain plasticiser can lead to discolourations, impressions or softening of the surface.
- For defined structures in terms of anti-slip classes, fire classes and decorative surface designs, please refer to the "Service" area on www.murexin.com.
- To minimise the formation of increased temperatures, odour and smoke with mixed residual quantities that are no longer needed, we recommend mixing them with quartz sand in good time!

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:
- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
- Do not inhale gases/vapours/aerosols.
- Avoid contact with the eyes and skin.
Breathing protection:
- Not required with adequate room ventilation.
- 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
- Butyl rubber

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- 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 materials, 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 is to be found out from the protective glove manufacturer and complied with.
Eye protection: tightly sealed protective goggles.
Body protection: 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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