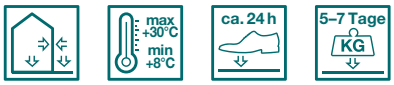
ESA

Epoxy-resin protection coat

strasser PRIM
PRIMERS

chemical-resistant, 2-component epoxy-resin protective coating

- diluted with water
- open to vapour diffusion



Applications

- Primer for critical substrates such as e.g. mastic asphalt screeds, magnesia screeds, dry screeds or wood substrates
- as a protective coating for floor surfaces in warehouses, cellar floors, garages, etc.
- on absorbent and non-absorbent substrates
- in the wall and floor area
- for interior and external use

Properties

- 2-component
- solvent-free
- diluted with water
- vapour diffusion permeable
- wear-resistant
- chemical resistant
- pigmented

Composition

- Epoxy resin dispersion
- Fillers
- pigments

Sievert Baustoffe GmbH & Co. KG · Mühleneschweg 6 · 49090 Osnabrück · Tel. +49 541 601-235 · Fax +49 541 601 853
www.strasser-systeme.de · info@strasser-systeme.de

Substrate

Suitable substrates

- Cement and calcium sulphate screeds, heated and unheated
- Dry screeds
- Asphalt screeds
- Magnesia screeds
- Wooden substrates
- normal concrete

Properties/tests

- The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- The adhesive tensile strength of the substrate should be at least 1.5 N/mm².
- Primer for critical substrates such as e.g. mastic asphalt screeds, magnesia screeds, dry screeds or wood substrates

Pretreatment

- Carefully remove adhesion-reducing layers and contamination, e.g. sinter layers, binding agent accumulations, loose paint coatings, adhesive residue or dust.
- If necessary, prepare the substrate mechanically by grinding or milling.

Processing

Temperature

- Do not process and allow to harden in case of air, material and substrate temperatures of less than +8°C or over +30°C.
- The substrate temperature must be at least 3°C above the dew point temperature.

Mixing / Preparation / Processing

- Allow curing component to flow completely into the main component.
- Mix intensively with a slowly running agitator at approx. 300 RPM for at least 3 minutes.
- Then repot into a clean container and intermix thoroughly again.
- When applying to absorbent substrates, add up to 20% clean tap water to the mixed material as a thinner and mix thoroughly again.

Applying

- Apply the product evenly crosswise to the substrate with a suitable tool, e.g. roller, brush or sponge rubber slider and work it in.
- To achieve an even surface, a short-pile roller suitable for epoxy resins should be used.
- Application as primer: The first coat is applied diluted as a primer. After drying, the second coat is applied undiluted or diluted with up to 20 % water and sprinkled with strasser PLUS GQS Grober Quarzsand.
- Application as a protective coating: The first coat is applied diluted as a primer. After drying, the second coat is applied undiluted or diluted with up to 20 % water. To improve slip resistance, the freshly applied protective coat can be sprinkled with strasser PLUS GQS Grober Quarzsand. To achieve an even finishing colour, a third coat is required, which must be applied at intervals of 12 to 24 hours after the 2nd coat.

Processing / Working time
- approx. 60 to 80 minutes
- Timings relate to +20°C and 60% relative humidity.
- Low temperatures prolong the processing time, high temperatures shorten it.

Drying / Hardening
- Drying time: approx. 12 hours
- The drying time depends on the temperature, relative humidity and absorbency of the substrate.
- Low temperatures and/or high humidity will delay drying, while high temperatures and/or low humidity accelerate it.
- The freshly primed surface must be protected against adverse weather conditions, e.g. strong sunlight, frost, precipitation, etc.
- Primed surfaces must be completely dry and free of adhesives before ceramic or natural stone coverings, levelling compounds, composite sealants or similar are applied.
- Excess loose quartz sand must be removed after the primer has dried by suitable means, e.g. sweeping or vacuuming.
- Areas coated with strasser PRIM ESA epoxy-resin protection coat can withstand loads and vehicles after approx. 7 days.

Cleaning the tools
- Clean all tools and equipment with water immediately after use.

Notes
- If affected by UV radiation, a certain colour change, loss of sheen and chalking must be anticipated with the product in general.

Packaging

- 6 kg/bucket (comp. A: 5 kg; comp. B: 1 kg)

Storage

- Store in the original, unopened packaging in dry, frost-free conditions.
- can be stored in sealed original container/bag for at least 12 months from manufacturing date

Consumption

- consumption: approx. 0.3 kg/m²
- The amount used depends on the condition of the substrate and on the application method. Determine the exact amount by means of a test application on the building.

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Technical Data

Colour	grey
Density	1,55 g/cm³
Processing time	approx. 60-80 minutes
Drying time	approx. 12 hours
Walkability	after approx. 24 hours
Resilience	after approx. 5 to 7 days
Chemical resistance	based on EN 13529: White spirit, diesel oil, distilled water, Kofa grain, 1.5 % and 10 %, manure solution, propionic acid 1.5 % and 10 %

All data are average values which have been obtained under laboratory conditions in accordance with relevant test standards and application trials at +20°C and 60% relative air humidity. Deviations are possible under practical conditions.

Safety and disposal instructions

Safety

- Hazardous substance in the sense of the German Ordinance on Hazardous Substances.
- Further instructions in the safety data sheet under www.strasser-systeme.de.
- Comprehensive instructions can be found in the DGUV Regulation 113-012 (previously BG regulations 227) “Activities with epoxy resins” issued by the trade associations.

GISCODE

- RE1 (epoxy resin products, solvent-free, sensitising)

Disposal

- Completely empty and recycle the packaging.
- Liquid product remains can be disposed of according to the Waste Catalogue Ordinance under the Waste Code 08 01 11 (waste paint and varnish containing organic solvents or other dangerous substances).

General Information

This information sheet provides only general recommendations. If you have any questions when it comes to the actual application, please consult our responsible Technical Sales Adviser or our Service Hotline tel. +49 541 601-235. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.

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