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SCHOMBURG

Technical Data Sheet

ASODUR®-EMB

Epoxy resin mortar

Art.-No. 2 05790

CE

SCHOMBURG GmbH & Co. KG
Aquafinstrasse 2 – 8
D-32760 Detmold
06
2 05790

EN 13813
ASODUR-EMB
Resin-based screed / resin-based coating for interior rooms

SR-B1,5-AR1-IR4

Reaction to fire according to K 2010/85/EU	E
Release of corrosive substances	SR
Resistance to wear	AR1
Tensile strength	≥ B1,5
Impact resistance	IR4

- Two component.
- Solvent free.
- For interior or exterior use.
- highly resistant to wear

Tensile adhesion strength:	> 1.5 N/mm²
Thickness:	≥ 3 mm to ≤ 50 mm, for localised areas of damage up to 1 m2 ≤ 100 mm
Cleaning of tools:	Thoroughly clean tools immediately after use with ASO-R001.
Packaging:	8 kg and 20 kg container Components A and B are supplied in the correct mixing ratios.
Storage:	Cool and dry 18 months in original unopened packaging above +10° C. Storage must be in accordance with the regulations for the storage of material hazardous to water courses.

Areas of application:

ASODUR-EMB is used for repairing cementitious surfaces as well as for the construction of coved fillets on e.g. concrete roads, ramps and industrial floors.

Technical Data:

Base:	2 component epoxy resin
Colour:	grey
Viscosity:	mortar consistency
Density:	approx. 2.0 g/cm³
Mix ratio:	100 : 3.6 parts by weight
Curing temperature: (material/substrate):	+10 °C to +30 °C
Pot life:	approx. 60 mins at +23 °C
Ready for use:	after approx. 12 hours up to max. 24 hours at +23 °C
Overcoat:	after approx. 12 hours up to max. 24 hours at +23 °C full service conditions after 7 days
Compressive strength:	approx. 100 N/mm²
Flexural strength:	approx. 50 N/mm²

Surface preparation:

The area to be treated must be:

- dry, firm, sound and have a good grip
- free from separating and adhesion inhibiting substances such as dust, laitance, grease, oil, rubber marks, paint residues and similar.
- protected from moisture ingress from the rear.

Prepare substrates with reference to DIN EN 14879-1:2005, 4.2 following.

Dependent on the condition of the substrate to be treated, use suitable mechanical preparation methods, e.g. high pressure water blasting, scabbling, shot blasting, planing etc, with which a textured, open surface is achieved. Dependent on the particular substrate, the following criteria are also to be fulfilled:

Cementitious substrates:

- Concrete quality: min. C20/25
- Screed quality: min. CT-C25-F4
- Age: min. 28 days

ASODUR®-EMB

- Tensile adhesion strength: >1,5 N/mm²
- Residual moisture: < 4 % (carbide hygrometer method)

Product preparation:
Component A (mortar) and component B (hardener: inside) are delivered in a complimentary mix ratio. Tip component B into component A. Ensure that the hardener drains completely from the container. Mixing of the components is to be carried out with a suitable mixer at approx. 300 rpm (e.g. drill with paddle). It is important to stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is homogenous. Mix time approx. 5 minutes. The material temperature should be approx. +15° C during the mix process. Do not use the mixed material directly from the delivered packaging! Decant the mass into a clean mix bucket and thoroughly mix through once again. Use a forced paddle mixer (e.g. Colormatic, Zyklos or Uez) for larger projects.

Method of application / consumption:
1. Surface preparation – see above
2. Prime the area to be treated:
   Apply ASODUR-GBM in one coat with a roller.
   Consumption: approx. 300 – 500 g/m²
2.1 Repair of damaged or defective areas in concrete and screeds:
   Trowel ASODUR-EMB into the priming coat of ASODUR-GBM, whilst still wet, then subsequently compact by rubbing.
   Consumption: approx. 1900 g/m²/mm thickness
3. Production of coved fillets:
   Using ASODUR-EMB, wet in wet, form the coved fillet area over the primer. Radius: approx. 3–5 cm
   Consumption: approx. 1800 g/m (with a coved fillet radius of approx. 5 cm)

Important advice:
- Higher temperatures shorten the pot life. Lower temperatures lengthen the pot life and curing time. Material consumption is also increased at lower temperatures.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the technical services department of SCHOMBURG.
- Waste code: liquid product residues: EAK 08 01 11 pigment and lacquer waste that contains organic solvents or other harmful materials.

Please observe a valid EU safety data sheet.
GISCODE: RE1