



## Technical Data Sheet

# ASODUR®-EMB

## Epoxy resin mortar

**Art.-No. 2 05790**

<b>CE</b>	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold 06 2 05790	
EN 13813 <b>ASODUR-EMB</b> Resin-based screed / resin-based coating for interior rooms	
<b>SR-B1,5-AR1-IR4</b>	
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.

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/cm <sup>3</sup>
Mix ratio:	100 : 3.6 parts by weight
Curing temperature: (material/substrate):	+10 °C to +30 °C
Pot life:	approx. 40 mins at +23 °C
Ready for use:	after approx. 16 hours up to max. 24 hours at +23 °C
Overcoat:	after approx. 16 hours up to max. 24 hours at +23 °C
Compressive strength:	approx. 100 N/mm <sup>2</sup>
Flexural strength:	approx. 35 N/mm <sup>2</sup>
E-modulus:	approx. 16000 N/mm <sup>2</sup>
Cleaning of tools:	Thoroughly clean tools immediately after use with AQUAFIN-Cleanser.
Packaging:	8 kg container Components A and B are supplied in the correct mixing ratios.

### 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.

Depending on type and size of application, use as appropriate any of the following surface preparation methods: grit blasting, scabbling, shot blasting or grinding. As a guideline all surfaces should be rated as follows:

Cementitious substrates:

- Concrete quality: min. C20/25
- Screed quality: min. CT-C25-F4
- Age: min. 28 days
- Tensile adhesion strength: >1,5 N/mm<sup>2</sup>
- 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

---

# ASODUR®-EMB

delivered packaging! Decant the mass into a clean mix bucket and thoroughly mix through once again. Use a forced paddle mixer (e.g. Colormatic, Zyklus 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/m<sup>2</sup>
- 2.1 Repair of damaged or defective areas in concrete and screeds:  
ASODUR-EMB is inserted into the primed damaged or defective area, compacted and struck-off level with the surface.  
Consumption: approx. 2000 g/m<sup>2</sup>/mm thickness
3. Production of covered fillets:  
Form the covered fillet with ASODUR-EMB with a trowel over the primed area.  
Radius: approx. 3 – 5 cm  
Consumption: approx. 1800 g/m (with a covered 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. Cured product residues: EAK 17 02 03 plastic.

Please observe a valid EU safety data sheet.

**GISCODE: RE1**