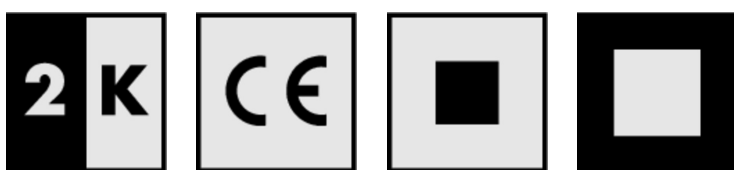


ASODUR®-EMB

Epoxy resin mortar



Material number	Contents	Unit of quantity	Packaging	Colour
205790005	8	KG	Combination packs	Grey
205790007	20	KG	Combination packs	Grey

Product features

- SR-B2,0-AR0,5-IR20 in accordance with DIN EN 13813
- Two component
- Solvent free

Advantages

- Highly wear resistant
- High bending tensile and compressive strength
- Watertight up to 3 bar (from 20mm layer thickness)

Areas of application

- For producing covered fillets
- For the repair of cement-based substrates
- For filling voids
- For layer thicknesses of von 5 mm bis 50 mm
- For interior and exterior use

Existing test certificates

- Impact resistance testing DIN EN ISO 6272-1:11:2011
- Wear resistance test per BCA

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Technical Data

Material properties

Product components	2 component system
Base material	Epoxy resin
Consistency	Mortar-like
Dichte, verarbeitungsfertiges Produkt (ISO 1183-1)	approx. 2 g/cm ³
Flexural strength	approx. 50 N/mm ²
Compressive strength	approx. 100 N/mm ²
Watertightness (DIN EN 12390-8)	Up to 3 bar, from 20 mm layer thickness
Classification of the reaction to fire in accordance with DIN EN 13501-1	Efl

Mixing

Mix ratio, component A	100 weight proportion
Mix ratio, component B	3.6 weight proportion
Mixing time	approx. 3 minutes

Application

Substrate temperature	from 10 °C to 30 °C
Pot life	approx. 60 minutes
Consumption pro m ² and mm layer thickness	approx. 2 kg
Minimum reaction temperature	min. 10 °C
Mixing method, machines, tools	Drill with stirrer Forced paddle mixer Standard Collormix stirrer Mk 140 HF Collomix stirrer XM 2-G50
Foot traffic after	approx. 12 hours
Application temperature	from 10 °C to 30 °C
Overcoat after	approx. 12 hours
Hardening time / full resilience	approx. 7 days
Minimum layer thickness	≥ 5 mm

Application technology

Aids/tools

- Stirrer (approx. 300 rpm)
- Forced paddle mixer
- Flat trowel
- Collomix stirrer CX60
- Collomix stirrer XM 2 - G50

Manual processing

Distributable with a flat trowel

Substrate preparation

Requirement for substrate

1. Load-bearing
2. Firm
3. Grippy
4. Dry
5. Free of adhesion inhibiting substances
6. Protected from moisture penetration from the rear

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Substrate quality class

	Quality	Tensile adhesion strength	Age	Moisture content
Concrete	at least C20/25	≥1.5 N/mm ²	at least 28 days	< 4% (CM method)
Screed	at least CT-C25-F4 in accordance with DIN EN 13813	≥1.5 N/mm ²		

Usage

Mixing

1. The (ideal) material temperature during the mixing procedure is +15 °C.
2. Use a forced paddle mixer for larger coatings.
3. Mix the resin homogeneously in the original container.
4. Add the hardener to the resin.
5. The hardener must run completely out of the container.
6. Mix thoroughly with the mixer until a homogeneous consistency.
7. The hardener must be distributed evenly.
8. The mixing time is ca. 3 minutes.
9. Decant the mass into a clean bucket.
10. Stir meticulously again.

Application

1. For priming the surface, roller apply ASODUR[®]-GBM in a single application step.
2. Apply ASODUR[®]-EMB while still wet to the primed surface and spread.
3. Use ASODUR[®]-EMB while still wet to form the primed fillet area using trowel techniques.
4. To repair damaged areas and voids, fill ASODUR[®]-EMB into the still fresh primer coat of ASODUR[®]-GBM with a trowel.
5. Re-compact ASODUR[®]-EMB by rubbing down, e.g. with a flat trowel.

Cleaning tools

Immediately after use, clean tools with ASO-R001.

Storage conditions

Storage

Store in a frost-free, cool and dry place. At min. 10 - 25 °C for 18 months in the original canister. Promptly use opened canister.

Disposal

Hardened product leftovers can be disposed of in accordance with disposal code AW 15 01 06.

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Notes

- The indicated consumption quantities are calculated values without additions for textured surface roughness and absorbency, level compensation, and residual material in the canister. We always recommend a calculated safety addition of 10% on top of the calculated consumption quantities.
- Higher temperatures shorten the pot life. Lower temperatures increase the application and hardening times. The rate at which material is consumed also increases at lower temperatures.
- The bonding between the individual layers can be strongly disrupted between the individual application steps due to the effects of dampness and contamination. Coating work requires a substrate temperature of at least 3 °C above the dew point temperature.
- If longer waiting times arise between the individual application steps or surfaces that have already been treated with liquid resin are coated again after an extended waiting time, the old surface must be well cleaned and thoroughly ground. Then apply a complete pore-free new coating.
- Arrange for proper ventilation during the drying and hardening phases.
- Protect from the effects of dirt and moisture during the curing phase.
- Observe the technical data sheets of the products mentioned before starting work.
- Applications that have not been clearly mentioned in this technical data sheet may only be carried out after the technical service department of SCHOMBURG GmbH has been consulted, and after the said department has approved of such a course of action in writing.
- For detailed information on application, read and observe supplementary technical information no. 19 "Applying ASODUR products".

The recognised standards of construction engineering, the relevant guidelines and current regulations must be observed.

Observe applicable safety data sheet!

GISCODE: RE 30

Annotations

Conformity / Declaration / Verification

	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold (Germany) 06 2 05790	
EN 13813 ASODUR-EMB Synthetic resin screed/synthetic resin coating for indoor application EN 14891: CM	
SRB2.0.ARO.5-IR20	
Reaction to fire in accordance with K 2010/85/EU	E
Release of corrosive substances	SR
Wear resistance	ARO.5
Adhesive strength	≥ B2.0
Impact resistance	IR20

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