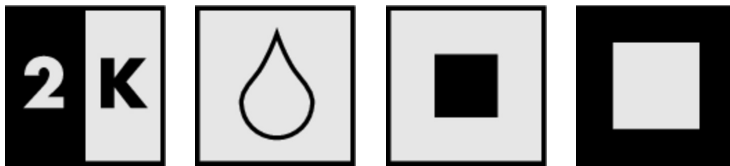


ASODUR®-K900

Casting and adhesive resin



Material number	Contents	Packaging	Colour
205070001	1 kg	Tubular bag	yellowish transparent
205070002	0.5 kg	Tubular bag	yellowish transparent

Product features

- Two component
- Solvent free
- Water and frost resistant
- chemical-resistant
- Low viscosity
- Very good penetration characteristics
- Rapid setting

Advantages

- Easy and clean application - without tools
- In a kneading bag
- Outstanding bonding on concrete, screed, stone, etc.
- Including disposable gloves and screed clamps

Areas of application

- As casting resin for "nailing" wide cracks with screed clamps
- For non-positive sealing of cracks and joints
- for producing levelling and scratch coats
- for producing epoxy resin coating
- Suitable for heated substrates

ASODUR[®]-K900

Technical Data

Material properties

Product components	2 component system
Base material	Epoxy resin
Density (spec. weight)	approx. 1.1 g/cm ³
Viscosity, ready to use product [value]	approx. 360 mPa*s

Mixing

Mix ratio, component A	2 weight proportion
Mix ratio, component B	1 weight proportion
Mix ratio, addition of quartz sand mortar (Ø 0.06–1.5 mm)	approx. 8.3 weight proportion
Mix ratio, addition of quartz sand (Ø 0.1 – 0.6 mm)	1 weight proportion
Mixing time	approx. 3 minutes

Application

Substrate temperature	from 10 °C to 35 °C
Max. relative humidity	80 %
Pot life	approx. 12 minutes
Minimum reaction temperature	min. 10 °C
Consumption	approx. 1.1 kg/l
Consumption per mm layer thickness (levelling and scratch coat with quartz sand)	approx. 1.6 kg/m ²
Consumption (epoxy resin mortar mixture per mm layer thickness)	approx. 2 kg/m ²
Application temperature	from 10 °C to 35 °C
Overcoat after	approx. 4 hours

Application technology

Aids/tools

Filler

Substrate preparation

Requirement for substrate

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

Measures for substrate preparation

Substrate preparations must be carried out in compliance with DIN EN 14879-1:2005, 4.2 et.seq.

Substrate quality class

	Quality / surface cleanliness	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	at least 28 days	<4% (CM method)

ASODUR®-K900

Usage

Mixing

1. The (ideal) material temperature during the mixing procedure is +15 °C.
2. Pull the separating clamps out of the two-chamber segment and allow both components to run into each other.
3. Knead and churn the bag contents to form a homogeneous mass that is free of streaks.
4. The mixing time is ca. 3 minutes.
5. After mixing, open the screw top on the corner of the bag and squeeze the mass out.

Crack filling

1. Depending on their length, open the cracks or joints to 1/2 to 2/3 of the screed thickness using a cut-off wheel.
2. Cut approx. 10 cm long transverse slits at right angles to the crack one after the other every 30 cm.
3. Then clean the cut areas meticulously with an industrial vacuum cleaner and remove any dust.
4. Apply the mixed casting resin to the cut joints until saturated.
5. Insert the screed clips provided into the transverse grooves.
6. Re-grouting may be necessary.
7. Use a spatula to remove excess material immediately.
8. After the gel phase has been reached, sprinkle the surface of the fresh casting resin completely with quartz sand (Ø 0.1 - 0.6 mm).
9. After hardening, vacuum off the unbound, loose quartz sand.
10. After approx. 4 hours, rework the hardened casting resin with sandpaper (e.g. 60 grain size). Then thoroughly dedust the surface again.

Filling voids

1. Make the area to be grouted accessible by exposing and/or drilling.
2. Clean the area thoroughly and remove dust.
3. Apply the mixed casting resin to the voids in portions.
4. Recasting may be necessary.

Levelling of unevenness

1. Mix the quartz sand into the mixed and re-potted ASODUR®-K900 (at a mix ratio of 1:1).
2. Mix the liquid and solid components evenly.
3. Apply the mixed levelling compounds in a single application step using the scratch filler method.
4. While the layer is still fresh, apply quartz sand (ø 0.1 - 0.6 mm).

Producing and applying epoxy mortar as a levelling and coving mortar

1. Stir the quartz sand (Ø 0.06-1.5 mm) homogeneously into the mixed ASODUR®-K900 in a mix ratio of 3:25.
2. Prime the substrate with ASODUR®-K900.
3. Apply the mortar while still wet using trowel techniques, ensuring even compaction.
4. Observe the minimum film thickness of 3 mm.

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 AWV 15 01 06.

ASODUR[®]-K900

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.
- Only once the screed has reached its permissible residual moisture content, i.e. is ready for laying, should the screed cracks and crack control joints be closed.
- 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

The rights of the buyer with regard to the quality of our materials are based on our terms and conditions of sale and delivery. Our technical advice team will be happy to advise you in the case of requirements that exceed the scope of the application described here. In order to be binding, a legally binding written confirmation is required. The product description does not release the user from a duty of care. Lay a test area in the event of uncertainty. This version becomes invalid in the event of a new version being issued.