

## Product information

### Primer



## ASODUR®-SG2

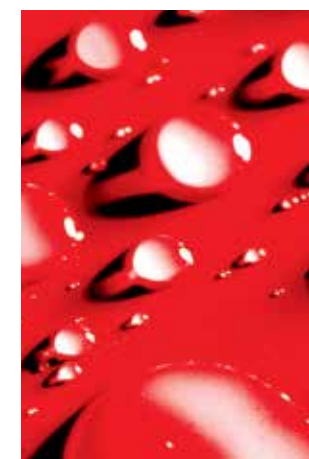
Special epoxy resin based primer for horizontal surfaces

### Technical Data:

Basis:	two component epoxy resin
Colour:	light grey
Foot traffic after:	approx. 12 hours at +23 °C
Overcoat after:	approx. 12 - 24 hours at +23 °C
Fully cured after:	approx. 7 days at +23 °C
Pot life:	approx. 60 minutes at +23 °C approx. 30 minutes at +30 °C
Substrate/material/ application temperature:	+8 °C to +30 °C
Consumption:	min. 600-1000 g/m <sup>2</sup> dependent on the absorption of the substrate and the area of application
Compressive strength:	approx. 80 N/mm <sup>2</sup>
Flexural strength:	approx. 30 N/mm <sup>2</sup>
WVTR in $\mu$ (DIN16 726, on a free film):	approx. 738.552
Packaging:	2 kg, 5 kg and 15 kg-containers (Components A and B are delivered at a predetermined mix ratio.)

### Areas of application:

- ASODUR®-SG2 is used as a primer on still damp concrete or bonded screeds, which are to be covered with floor finishes such as tiles amongst others.
- ASODUR®-SG2 is an effective protection against the formation of osmosis bubbles where there is moisture penetrating from the rear.
- ASODUR®-SG2 is used as a special primer on oil contaminated, but previously cleaned concrete substrates.
- Capillary breaking epoxy grout in pool edge details.



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# ASODUR®-SG2

## Special epoxy resin based primer for horizontal surfaces

### Properties:

- low solvent, moisture tolerant two component epoxy resin for floors
- high sd value
- acts as a barrier against capillary rising oils
- very good adhesion to damp concrete substrates
- barrier against Radon

### Product preparation:

Component A and component B are delivered at a predetermined mixing ratio. Tip component B into component A. Ensure that the hardener drains completely from its container. Mix both components together with a suitable mixer (e.g. drill with paddle) at 300 rpm. Ensure to also stir at the sides and bottom so that the hardener is evenly dispersed. Stir for as long as necessary until the mixture is homogenous (free from streaks); mixing time approx. 3 minutes. During the mixing process the material temperature should be approx. +15°C. Do not use the mixed material directly from the supplied packaging. Decant the material into a clean container and mix through thoroughly once again.

### Priming

Apply ASODUR®-SG2 to saturation on to the cleaned floor substrate with a rubber squeegee or a lamb's wool roller, thoroughly work into the surface with a priming brush and back-roll evenly with a short nap paint roller. Blind the fresh primer with quartz sand.

### Capillary grout in pool edge details

ASODUR®-SG2 is used as a capillary breaking grout in pool edge details with a high water level. Mix the resin/hardener of ASODUR®-SG2 at the pre-determined mix ratio and mix in 0.1 - 0.6 mm quartz sand at a mix ratio of 1 : 1 (1 part by volume of mixed resin : 1 part by volume of quartz sand) and fill out into the prepared capillary breaking joint. After approx. 15 minutes, fully blind the filled grouted joint with 0.1 - 0.6 mm quartz sand. It is essential to prevent the sand from sinking.

### Application:

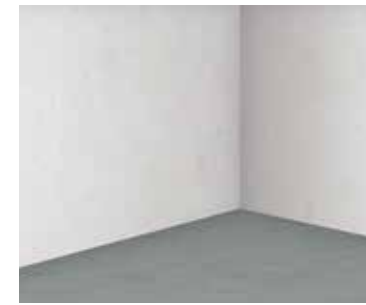
The surface to be treated must be dry to matt damp, sound, load-bearing and have a good key. It must be free from separating or adhesion inhibiting substances such as e.g. dust, laitance, grease, rubber residues, paint residues and similar. Dependent on the condition of the substrate, use suitable preparation measures such as e.g. shot blasting, scabbling, planing, brushing, sweeping, vacuuming and grit blasting, high pressure water blasting. Appropriate to each particular substrate, the following criteria are also to be fulfilled:

Cement-based areas:

- Quality of the concrete: min. C 20/25
- Quality of the screed: min. EN 13813 CT-C25-F4
- Quality of the render: min. P IIIa/P IIIb
- Age: min. 28 days
- Tensile adhesion strength: 0.8 N/mm<sup>2</sup>

<b>CE</b> 1119	
<b>SCHOMBURG GmbH &amp; Co. KG</b> Aquafinstraße 2-8 · D-32760 Detmold 06 2 05655	
EN 1504-2 <b>ASODUR®-SG2</b> Surface protection product - Impregnation	
Principle 1.2	
Capillary water absorption and water permeability	w < 0,1 kg/m <sup>2</sup> × h <sup>-1</sup>
Penetration depth	Class I < 10 mm
Tensile adhesion strength by pull-off test	≥ 1,5 (1,0) N/mm <sup>2</sup>
Reaction to fire	Class E
Hazardous substances	In compliance with 5.3 EN 1504-2

Tensile adhesion values (EN 246324)		Tensile adhesion values (DIN 52104, pt 1)	
ASODUR®-SG2		Freeze-thaw cycles ASODUR®-SG2	
Fresh concrete (after 5 days)	0.8 N/mm <sup>2</sup>	Fresh concrete (after 5 days)	0.9 N/mm <sup>2</sup>
Concrete 28 days (saturated)	3.8 N/mm <sup>2</sup>	Concrete 28 days (saturated)	3.6 N/mm <sup>2</sup>
Concrete 28 days (dry)	4.0 N/mm <sup>2</sup>	Concrete 28 days (dry)	3.1 N/mm <sup>2</sup>
Concrete 28 days (saturated)	4.1 N/mm <sup>2</sup>	Concrete 28 days (saturated)	–
Concrete 28 days (dry)	5.3 N/mm <sup>2</sup>	Concrete 28 days (dry)	3.5 N/mm <sup>2</sup>



1 Load-bearing concrete substrate



2 Cleaning the floor substrate



3 Priming and suitable tools



4 Puncture the lid of the hardener component



5 Completely emptying the hardener into the resin



6 Mixing, decanting and mixing again into the resin



7 Application of the primer on the floor



8 Fully broadcast the fresh primer with quartz sand



9 Completed floor