




Technical Data Sheet

ASODUR®-G1275

Priming and levelling mortar

Art.-No. 2 06405

	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2 – 8 D-32760 Detmold	
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EN 15042 ASODUR-G1275 Surface protection product - Impregnation	
Principle 1.2	
Capillary water absorption and water permeability	$w < 0.1 \text{ kg/m}^2 \times \text{h}^{-1}$
Penetration depth	Class I < 10 mm
Tensile adhesion strength by pull-off test	$\geq 1.5 (1.0) \text{ N/mm}^2$
Reaction to fire	Class E
Hazardous substances	In compliance with 5.3 EN 1504-2

- two component epoxy resin
- solvent free
- pre-filled
- very good ability to de-aerate
- good substrate wetting capacity
- self levelling when used as a levelling mortar
- thicknesses from 0–2 mm

Areas of application:

As a primer or levelling compound on cement-based substrates such as concrete and screed beneath ASODUR coatings, e.g. ASODUR-B351.

Technical Data:

Basis:	2 component epoxy resin
Colour:	pebble grey, approx. RAL 7032
Viscosity*:	approx. 2000–2500 mPas
Density*:	approx. 1.50 g/cm ³
Mixing ratio:	100 : 14 parts by weight
Ambient and substrate temperature:	min. +10°C, max. +35°C at max. 80% relative humidity

Pot life*:	approx. 60 mins at +10° C approx. 45 mins at +23° C approx. 25 mins at +30° C
Foot traffic after*:	min. 12 hrs
Overcoat after*:	approx. 12 hrs, max. 24 hrs
Tensile adhesion strength:	> 1.5 N/mm ²
Flexural strength:	54 N/mm ²
Compressive strength:	72 N/mm ²
Fully cured after*:	approx. 7 days

* at +23 °C and 50% relative humidity

Cleaning:	Clean work tools thoroughly after use with ASO-R001
Packaging:	28.5 kg container Component A and B are supplied at a pre-determined mix ratio.
Storage:	frost-free, cool and dry, 12 months in the original unopened packaging, $\geq +10 \text{ }^\circ\text{C}$ to $+25 \text{ }^\circ\text{C}$. Use opened packagings promptly.

Substrate preparation:

The cement-based substrates should be:

- dry, sound and have a good key
- free from separating and adhesion inhibiting substances such as e.g. dust, laitance, grease, rubber marks, paint residues etc.

Substrate preparation is to be carried out with reference to DIN EN 14879-1:2005, 4.2 following.

Dependent on the condition of the substrate to be treated, use suitable mechanical methods to achieve a structured, open-textured surface, e.g. high pressure water jetting, scabbling, shot-blasting, planing etc. (Repair large

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voids and cracks beforehand with suitable products from the Schomburg range).

Appropriate to the particular substrate, the following criteria are also to be fulfilled:

Cement-based areas:

- Concrete quality: min. C 20/25
- Screed quality: min. EN 13813 CT-C25-F4
 - Age: min. 28 days
 - Tensile adhesion strength: $\geq 1.5 \text{ N/mm}^2$
 - Residual moisture: $\leq 4 \%$ (CM method)
- Poured asphalt quality: min. AS-IC 15

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 at 300 rpm. It is important to ensure the hardener is evenly dispersed. Stir until homogenous (free from streaks); mixing time approx. 3 minutes.

The minimum temperature during mixing should be $+15^\circ\text{C}$. Do not use mixed material directly from the packaging. Decant the material into a clean container and mix through thoroughly once again.

Application method/consumption:

Priming:

Pour the mixed ASODUR-G1275 in portions over the area, spread with a rubber squeegee and then back roll with a short nap roller. Avoid ponding and bubble formation. Do not broadcast sand into the primer once completed. Apply subsequent coatings after a maximum waiting time of 24 hours at $+23^\circ\text{C}$.

Consumption: $300\text{--}500 \text{ g/m}^2$ dependent on the absorption of the substrate.

Levelling compound for surface roughness

up to 2.00 mm:

ASODUR-G1275 is applied in one coat with a notched trowel or pin-rake evenly to the desired thickness and evenly worked using a suitable spiked roller (metal type - Polyplan or equivalent).

Do not broadcast with sand once the area is completed. Apply subsequent coatings after a maximum waiting time of 24 hours at $+23^\circ\text{C}$.

Consumption with various degrees of surface roughness:

Surface roughness	0.5 - 1.00 mm	1.00 - 2.00 mm
Consumption	0.60 - 1.50 kg/m ²	1.50 - 3.00 kg/m ²

Important advice:

- Abrasive stress during use can scratch the primed surfaces, visible especially with dark colours. This does not affect the functionality. We recommend regular care of the surfaces with ASO-R008 to maintain the surface quality and appearance in the area of use.
- As a rule, SCHOMBURG products are supplied in working packs i.e. at a matched pre-determined mixing ratio. When deliveries are in large packs, they must be partially weighed out using scales. Always thoroughly stir the filled components before blending with the second component. This is to take place with a suitable rotating mixer e.g. Polyplan/ Ronden mixing paddle or similar. In order to prevent mixing errors, decant into a clean container and mix again. The mixing speed should be approx. 300 rpm. Ensure that no air is entrained. The temperature of the components should be at least $+15^\circ\text{C}$. This is also valid for any fillers to be mixed in such as e.g. sands. The addition of the fillers for mixing is only to be carried out once both liquid components have been blended. Afterwards put the completely mixed material immediately on to the prepared substrate and promptly and thoroughly spread in accordance with the instructions in the technical data sheet. The use of a short nap nylon roller (6 mm) with a textured polyamide cover or

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similar, is recommended. Always stir one component products thoroughly before use.

- Higher temperatures shorten the working life. Lower temperatures extend the working life and setting time. Material consumption also increases at lower temperatures.
 - Colours: Minor colour variations caused by different production batches and raw material fluctuations are unavoidable. Remember this when applying coatings. Carry out adjacent adjoining areas with the same production batch (same batch number on the packaging).
 - The bond of individual coats to one another can be heavily impeded by moisture penetration and contamination between the individual coats. Coating works require a substrate temperature of min. 3°C above the dew point temperature.
 - If there is a longer waiting time between the individual coats or if already coated areas need to be renewed with liquid resins after a long period of time, the surface is to be well cleaned and thoroughly abraded. Afterwards install a completely new pinhole-free coating.
 - Surface protection systems must be protected from moisture (e.g. rain, melt water) for approx. 4-6 hours after their application. Moisture produces a white discolouration and/or stickiness to the surface and can lead to interference in the curing process. Discoloured and/or sticky surfaces are to be removed e.g. by planing or mechanical blast cleaning techniques and coated anew.
 - Consumption quantities given are values determined by calculation without additions for surface roughness or absorption, levelling and residual material in the packaging. We recommend adding a safety factor of 10% to the calculated consumption quantities.
- Applications, which are not clearly mentioned in this technical data sheet may only be carried out after consultation with and written confirmation from SCHOMBURG technical services.
 - Cured product residues can be disposed of under waste code AVV 150106.
 - For detailed information on application, read and observe supplementary technical information no. 19 "Applying ASODUR products".

Paint products directive (2004/42/EG):

Group Lb: j

Level 2 (2010): max. 500 g/l

ASODUR-G1275 contains: < 500 g/l

Please observe a valid safety data sheet!

GISCODE: RE 30

