




Technical Data Sheet

ASODUR®-V2250 INDUFLOOR®-IB2255

Art.-No. 205065

Satin matt, bacteria resistant, 2 component polyurethane-acrylate sealer

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SCHOMBURG GmbH & Co. KG Aquafinstraße 2 - 8 D-32760 Detmold 12 2 05065	
EN 1504-2 ASODUR-V2250 Surface protection product - Coating	
Principle 5.1/6.1	
Capillary water absorption and water permeability	$w < 0.1 \text{ kg/m}^2 \times \text{h}^{0.5}$
Tensile adhesion strength by pull-off test	$\geq 1.5 \text{ [1.0] N/mm}^2$
Abrasion resistance	Mass loss $\leq 3000 \text{ mg}$
Impact resistance	Class III
Resistance to strong chemical attack	Visible observations to ISO 4628/1 possible only, due to the very thin film
Reaction to Fire	Class E
Hazardous substances	In compliance with 5.3 [EN 1504-2]



Technical Data:

Basis:	two component polyurethane-acrylate resin
Colour:	transparent
Viscosity*:	low viscosity
Density*:	approx. 1.03 g/cm^3
Mixing ratio:	100:15 parts by weight
Ambient and substrate temperature:	min. $+10 \text{ }^\circ\text{C}$ max. $+35 \text{ }^\circ\text{C}$ at max. 80% relative humidity
Pot life*:	approx. 2 hrs
Foot traffic after*:	approx. 6 hrs
Over-coat after*:	approx. 12 hrs to max. 24 hrs.
Chemically resistant*:	after approx. 3 days
Fully cured after*:	approx. 7 days
Solids content:	approx. 30 %
Cleaning:	Thoroughly clean tools immediately after use with water.
Packaging:	3 kg pack Component A and component B are provided at a pre-determined mixing ratio.
Storage:	Frost free, cool and dry, $\geq +10 \text{ }^\circ\text{C}$ to $+25 \text{ }^\circ\text{C}$, 6 months in the original unopened containers. Use opened containers promptly.

- Transparent
- Aqueous
- Dries satin-matt
- Solvent free
- Lightfast and UV stable
- Resistant to plasticizers (Car tyres)
- Protected against bacterial and fungal attack
- VOC free
- Can be produced as an anti-slip finish

Areas of application:

ASODUR-V2250 is used as a matt appearance surface protection for top coats, which can also be broadcast with ASO-DecorChips where chosen.

- Recreation rooms (e.g. Kindergartens, schools etc.)
- Hygiene areas in healthcare
- Production industry

*) The values refer to $23 \text{ }^\circ\text{C}$ and 50% relative humidity.

Substrate preparation:

The ASODUR coatings to be sealed should not be older than 24 hours.

ASODUR®-V2250

Product preparation:

Components A (resin) and B (hardener) are delivered at a predetermined mixing ratio. Tip component B into component A. Ensure that the hardener drains completely from its container. Mix the components together with a suitable mixer at approx. 300 rpm (e.g. drill with paddle). It is important to also stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is homogenous (free from streaks); mixing time 3 minutes.

The material temperature during mixing should be +15 °C. Do not use mixed material directly from the packaging! Decant the material into a clean container and mix through thoroughly once again.

When mixing in aggregates (e.g. ASO-Antislid), ensure that the aggregate is dry and is also at a temperature of approx. +15 °C.

Method of application / consumption:

Smooth:

Apply ASODUR-V2250 in one coat. Pour the mixed material over the floor in sections and spread with a solvent resistant rubber bladed squeegee and subsequently roll thoroughly and evenly with a short napped fur roller or surface leveller. Keep areas of overlap to a minimum.

Consumption:

Porous substrates: approx. 100 - 150 g/m²

Non-porous substrates: approx. 60 - 80 g/m²

Anti-slip:

The mixed ASODUR-V2250 is supplemented by homogeneously stirring in approx. 8 - 10% by weight of ASO-Antislid. Place the mixture in portions over the surface, spread with a solvent resistant twin-bladed squeegee and then thoroughly and evenly apply and smooth out using a short nap paint roller in a criss-cross manner. Keep overlap areas as small as possible.

ASO-Antislid addition: approx. 8 - 10% by weight

Consumption:

absorbent substrates: approx. 110 - 160 g/m²

non-absorbent substrates: approx. 55 - 70 g/m²

Important advice:

- As a rule, SCHOMBURG products are supplied in working packs i.e. supplied at a coordinated mix ratio. When supplied in large containers, part quantities must be weighed out using a balance. Always thoroughly stir the filled components and only then mix with the second component. This is to be executed with a suitable stirrer e.g. Polyplan/Ronden mixing paddle or similar. In order to exclude mixing errors, decant into a clean container and mix anew. The mixing speed should be approx. 300 rpm. Ensure that no air is mixed in. The temperature of the components should be minimum +15 °C. This is also valid for any potential fillers to be mixed, e.g. sands. The addition of the fillers is only to occur once both liquid components have been blended. Afterwards place the completely mixed material immediately on to the prepared substrate and quickly and carefully spread out in accordance with the instructions in the technical data sheet. For applications by roller, it is recommended to use a short nap nylon paint roller (6 mm) with a textured polyamide cover or similar. Always thoroughly stir one component products before use.
- Too great a thickness (more material consumption) leads to an uneven matt effect, crack formation and de-lamination.
- Higher temperatures shorten the pot life. Lower temperatures increase the pot life and setting time. Material consumption is also increased at lower temperatures.
- Colours: Small variations in colour, resulting from varying production batches and raw material fluctuations, are unavoidable. When applying coatings, take this into consideration. Carry out neighbouring

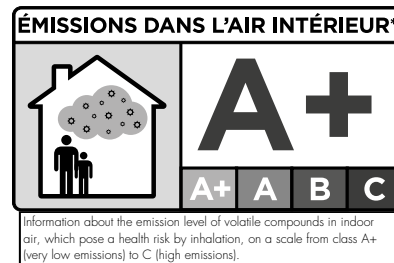
sections with the same production batch (same batch number on the packaging).

- The bond between individual coats can be heavily impeded by the penetration of moisture and contamination between the individual coats. Coating work requires a substrate temperature of at least 3 °C above the dew point temperature.
- If there is a long down time between individual coats or if already treated areas are to be renewed with liquid resins after a long period of time, then the old surface is to be well cleaned and thoroughly abraded. Afterwards carry out a completely new pinhole free coating.
- Surface protection systems must be protected from moisture (e.g. rain, melt water) after their application for approx. 4-6 hours. Moisture produces a white discolouration and/or stickiness on the surface and can lead to interference in the curing process. Take off discoloured and/or sticky surfaces by e.g. planing or abrasive blast techniques and renew.

- Consumption quantities given are values determined by calculation without additions for surface roughness or absorption, levelling or residues in the containers. We recommend adding a calculated safety factor of 10% to the computed consumption quantities.
- Applications, which are not clearly mentioned in this technical data sheet may only be implemented after consultation with and written confirmation from the technical service department of SCHOMBURG.
- Cured product residues can be disposed of using waste disposal code AVV 150106.

Please observe a valid EU safety data sheet.

GISCODE: PU 10



ASODUR®-V2250

Chemical resistance of ASODUR®-V2250

Test liquids	Concentration (%)	Classification		
		≤ 8 h	≤ 72 h	≤ 14 d
Inorganic acids				
Nitric acid	15	■		
Sulphuric acid	15	■		
Hydrochloric acid	30	■		
Organic acids				
Formic acid	2	■		
Citric acid	15	■		
Lactic acid	20	■		
Alkalis				
Caustic soda	20		■	
Ammonia	25		■	
Solvents				
Kerosine	undiluted	■		
Petrol/Gasoline	undiluted	■		
Diesel	undiluted	■		
Ethanol	undiluted	■		
Oils				
Engine oil	undiluted	■		
Brake fluid	undiluted	■		
Heating oil	undiluted	■		
Aqueous solutions				
De-icing salts solution	35			■

All data has been determined under laboratory conditions at +20°C. Deviations are possible due to high temperatures, local factors and environmental conditions. Slight optical surface changes or minor swelling, which does not affect the functionality of the coating, cannot therefore be precluded. Where doubt exists, we recommend that project related suitability trials are carried out.

This technical data sheet is a translation from German and does not consider local building codes or legal requirements. It shall be used as general reference for the product. Legally binding is only the latest German technical data sheet or the latest data sheet from one of our foreign subsidiaries inside their sales territory.