

# ASODUR®-V2250

2 component polyurethane acrylate sealer, silk matt



Material number	Contents	Unit of quantity	Packaging	Colour
205065001	3	KG	Combination packs	Transparent

### Product features

- aqueous
- Solvent free
- Low odour
- light-fast and UV-stable
- softener-resistant (car tyres)
- chemical-resistant
- Very low emission - EMICODE® EC 1<sup>PLUS</sup>

### Advantages

- Transparent
- silk matt drying
- protection against bacterial and fungicidal attacks
- anti-slip application (R11)
- suitable for indirect food contact

### Areas of application / surface protection

- as surface protection on top coats
- For mechanically moderately stressed areas

# ASODUR®-V2250

## Existing test certificates

- Emission tests
- Slip resistance classes
- French cert. VOC
- AgBB certificate
- Belgian cert. VOC
- Suitability for indirect food contact
- Wear resistance test per BCA

## Technical Data

### Material properties

Product components	2 component system
Base material	Polyurethane acrylate
Density, ready to use product (ISO 1183-1)	approx. 1.03 g/cm <sup>3</sup>
Chemically loadable after waiting time	approx. 3 days
Viscosity, ready to use product	Low viscosity
Vapour diffusion behaviour	Vapour diffusion behaviour

### Mixing

Mix ratio, component A	100 weight proportion
Mix ratio, component B	15 weight proportion
Mix ratio, addition of ASO-Antislip resistance	0.1 weight proportion
Mixing time	approx. 3 minutes

### Application

Substrate temperature	from 10 °C to 35 °C
Max. relative humidity	80 %
Pot life	approx. 120 minutes
Minimum reaction temperature	min. 10 °C
Mixing method, machines, tools	Drill with stirrer
Consumption	approx. 0.05 - 0.06 kg/m <sup>2</sup>
Overcoat (min.)	after 12 hours
Foot traffic after	approx. 6 hours
Consumption (sealing coat, slip-resistant)	approx. 0.06 - 0.07 kg/m <sup>2</sup>
Application temperature	from 10 °C to 35 °C
Overcoat (max.)	to 24 hours

## Application technology

### Aids/tools

- Colour roller
- Nylon fur roller (6mm) with textured polyamide cover
- Stirrer
- Circular cage

### Manual processing

- Can be painted on with paint rollers
- distributable with paint roller

## Substrate preparation

### Measures for substrate preparation

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

## ASODUR<sup>®</sup>-V2250

### Usage

#### Mixing

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

#### Application

1. ASODUR<sup>®</sup>-V2250 is applied in a single application step.
2. The mixed material is poured onto the surface in portions.
3. Spread over the surface with the fur roller.
4. Level evenly in a criss-cross pattern with the fur roller.
5. Minimise overlaps as far as possible.

#### Slip-resistant setting

1. In the mixed ASODUR<sup>®</sup>-V2250 add approx. 8-10 wt.% of ASO<sup>®</sup>-Antislid homogeneously stirred in.
2. The mixed material is poured onto the surface in portions.
3. Spread evenly with the fur roller in a criss-cross pattern and level.

#### Cleaning tools

Clean tools immediately after use with suitable solvent.

### Storage conditions

#### Storage

Store in a frost-free, cool and dry place. At min. 10 - 25 °C for 6 months in the original canister. Promptly use opened canister.

### Disposal

Hardened product leftovers can be disposed of in accordance with disposal code AWW 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.
- Avoid excessive layer thicknesses (additional material consumption) in the individual application steps. These lead to cracking, possibly flaking and extend the waiting time between individual application steps.
- After they have been applied, surface protection systems must be protected against dampness (e.g. rainwater, condensation water) for approx. 4-6 hours. Moisture causes a white colour and/or stickiness on the surface and can cause problems during hardening. Discoloured and/or sticky surfaces must be removed and reworked, e.g. through grinding or shot blasting.
- The surface can be scratched by exposure to grinding abrasion. Particularly visible with dark shades. This will not have a negative impact on proper functioning.
- In order to maintain the surface quality and appearance in the long term, regular care of the surface with suitable cleaning materials and care products is recommended.
- 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: PU10

## Annotations

Conformity / Declaration / Verification

 1119	
<b>SCHOMBURG GmbH &amp; Co. KG</b> Aquafinstraße 2-8 D-32760 Detmold (Germany) 12 2 05065	
EN 1504-2 <b>ASODUR®-V2250</b> Surface protection material – Coating	
Principle 5.1/6.1	
Capillary water absorption and water permeability	$w < 0.1 \text{ kg/m}^2 \times \text{h}^{0.5}$
Pull-off test for assessment of adhesion	$\geq 1.5 (1.0) \text{ N/mm}^2$
Abrasion resistance	Mass loss $\leq 3000 \text{ mg}$
Impact resistance	Class III
Resistance to strong chemical attack	Due to the small layer thickness, only visual assessment according to ISO 4628/1 is possible
Reaction to fire	Class E
Hazardous substances	Compliance with 5.3 (EN 1504-2)

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## Chemical durability

Test fluid	Concentrations	Classification		
		≤ 8 h	≤ 72 h	≤ 14 d
<b>Inorganic acids</b>				
Nitric acid	15	■		
Sulphuric acid	15	■		
Hydrochloric acid	30	■		
<b>Organic acids</b>				
Formic acid	2	■		
Citric acid	15	■		
Lactic acid	20	■		
<b>Alkalis</b>				
Sodium hydroxide	20		■	
Ammonia	25		■	
<b>Solvent</b>				
Kerosene	neat	■		
Petrol	neat	■		
Diesel	neat	■		
Ethanol	neat	■		
<b>Oils</b>				
Engine oil	neat	■		
Brake fluid	neat	■		
Heating oil	neat	■		
<b>Aqueous solution</b>				
De-icing salt-solution	35			■

All information has been determined under lab conditions at +20 °C, deviations due to higher temperatures, local conditions and ambient conditions are possible. It is not possible to fully exclude minor visible surface changes or slight swelling that does not affect the functionality of the waterproofing. In case of doubt, we recommend an object-specific suitability test.

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