

# ASODUR®-V2260

2 component polyurethane sealant, glossy



Material number	Contents	Unit of quantity	Colour
205066001	5	KG	Transparent

## Product features

- Two component
- aqueous
- light-fast and UV-stable
- chemical-resistant
- Good migration resistance
- Very low emission - EMICODE® EC 1<sup>PLUS</sup>
- Fulfils AgBB formula requirements

## Advantages

- Solvent free
- Transparent
- Can be adjusted for slip resistance
- Good scratch resistance
- Good abrasion resistance
- Easy to clean
- no training requirement due to the low content of free monomeric diisocyanates (<0.1%)

## Areas of application / surface protection

- As surface protection on cementitious and reactive resin-bound substrates
- For interior

## Existing test certificates

- CE mark and declaration of performance in accordance with DIN EN 1504-2
- CE mark and declaration of performance in accordance with DIN 13813

# ASODUR<sup>®</sup>-V2260

## Technical Data

### Material properties

Product components	2 component system
Base material	polyurethane resin
Density, ready to use product (ISO 1183-1)	approx. 1.05 g/cm <sup>3</sup>
Viscosity A-component (DIN EN ISO 2884-1)	50 - 80 mPas (+ 23 °C / 50% relative humidity)
Viscosity B-component (DIN EN ISO 2884-1)	1640 - 2440 mPas (+ 23 °C / 50% relative humidity)
Vapour diffusion behaviour	Vapour diffusion-inhibiting

### Mixing

Mix ratio, component A	100 weight proportion
Mix ratio, component B	20 weight proportion
Mix ratio, addition of ASO-Antislip slip resistance	10 %
Mixing time	approx. 3 minutes
Maturing time	approx. 2 minutes
Water addition (percentage)	approx. 5 %

### Application

Substrate temperature	from 10 °C to 30 °C
Max. relative humidity	80 %
Minimum reaction temperature	min. 10 °C
Mixing method, machines, tools	Drill with stirrer
Overcoat and walkable after	Min. 2 - 3 hours, max. 12 hours at + 30 °C Min. 4 - 15 hours, max. 24 hours at + 20 °C Min. 9 - 13 hours, max. 48 hours at + 10 °C
Consumption (non-absorbent substrates)	80 - 150 g/m <sup>2</sup> per layer
Consumption (absorbent substrates)	200 - 250 g/m <sup>2</sup> per layer
Consumption (sealing coat, slip-resistant)	approx. 120 g / m <sup>2</sup>
Pot life	approx. 25 - 35 minutes
Application temperature	from 10 °C to 30 °C
Hardening time / full resilience	approx. 7 days

## Application technology

### Aids/tools

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

### Manual processing

- Can be applied with a nylon fur roller
- Distributable with nylon fur roller

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## Substrate preparation

### Requirement for substrate

1. Dry (moisture content  $\leq 4$  CM-%)
2. Load-bearing
3. Firm
4. Grippy
5. dust-free
6. Protected from moisture penetration from the rear
7. Free of adhesion inhibiting substances
8. Open-pored after mechanical substrate preparation

### Measures for substrate preparation

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

## Usage

### Mixing

1. The (ideal) material temperature during the mixing procedure is  $+15$  °C.
2. Homogenise the resin in the original container by shaking.
3. Pour the homogenised resin into a clean mixing container.
4. The resin must run out of the container completely.
5. Add the hardener to the resin.
6. The hardener must run completely out of the container.
7. Mix thoroughly with the mixer until a homogeneous consistency.
8. The hardener must be distributed evenly.
9. The mixing time is ca. 3 minutes.
10. Let the homogenised mixture stand for about 2 minutes.
11. Decant the mass into a clean bucket.
12. Stir meticulously again.

### Application

1. ASODUR<sup>®</sup>-V2260 is applied in a single application step.
2. The mixed material is poured onto the surface in portions.
3. Spread evenly over the surface with the fur roller in a criss-cross pattern and level.
4. Minimise overlaps as far as possible.
5. The ASODUR<sup>®</sup> coatings that are to be sealed should not be older than 24 hours.

### Slip-resistant setting

1. In the mixed ASODUR<sup>®</sup>-V2260 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.  $10 - 30$  °C for 12 months in the original canister. Promptly use opened canister.

## Disposal

Hardened product leftovers can be disposed of in household waste.

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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.
- Arrange for proper ventilation during the drying and hardening phases.
- 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.
- 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.
- The possible formation of microbubbles in the first sealing layer can be reduced by applying a second layer within 24 hours.
- Dips < 5 mm should be levelled with ASOCRET-M30.
- Puddles of water can lead to white discolouration on the hardened sealing layer. The formation of puddles should be avoided.
- Diluting ASODUR-V2260 with water can possibly lead to increased orange peel effect.
- The statements are made on the basis of extensive testing and practical experience. They are not transferable to every application. We therefore recommend performing trials if necessary. We reserve the right to make technical changes in connection with further developments.

## Relevant regulations

**The recognised standards of construction engineering, the relevant guidelines and current regulations must be observed.**

**Observe applicable safety data sheet!**

GISCODE: PU40

## Annotations

Conformity / Declaration / Verification

SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 · D-32760 Detmold 23 2 05066-001	
EN 1504-2 <b>ASODUR-V2260</b> Surface protection material - coating	
Principle 1.3/2.2/5.1/6.1/8.2	
Capillary water absorption and water permeability	$w < 0.1 \text{ kg/m}^2 \times \text{h}^{0.5}$
Pull-off test for assessing adhesion	$\geq 2.0 \text{ (1.5) N/mm}^2$
Abrasion resistance	Mass loss $\leq 3000 \text{ mg}$
Impact resistance	Class I
CO <sub>2</sub> permeability SD	$< 50 \text{ m}$
Resistance to strong chemical attack	Class I
Water vapour permeability	Class III
Fire test	Class E

SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 · D-32760 Detmold 23 2 05066-001	
EN 13813 <b>ASODUR-V2260</b> Synthetic resin screed mortar for indoor application	
SR-AR1,0B1,54R4	
Reaction to fire	Class E <sub>fl</sub>
Release of corrosive substances	SR
Wear resistance	AR 1,0
Tensile adhesion strength	B 1.5
Impact resistance	IR 4

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## Chemical durability

Test fluid	Concentrations	Media Group	Classification		
			low resistance (≤ 8 hours)	moderate resistance (≤ 72 hours)	high resistance (≤ 14 days)
Petrol		1		■	
Kerosene		2		■	
Heating oil / diesel		3		■	
Hydrocarbons		4		■	
Benzene and mixtures containing benzene		4a		■	
Crude oil		4b		■	
Mono- and poly-alcohols, glycol ethers		5		■	
Alcohols and glycol ethers		5a		■	
Org. esters and ketones		7		■	
Aromatic esters and ketones		7a		■	
Formaldehyde solution	35-40	8		■	
Sulphuric acid	20	10		■	
Sodium hydroxide	20	11		■	
Sodium chloride solution	20	12		■	
Solution org. tensides		14		■	
Diethylethers		15a		■	
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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