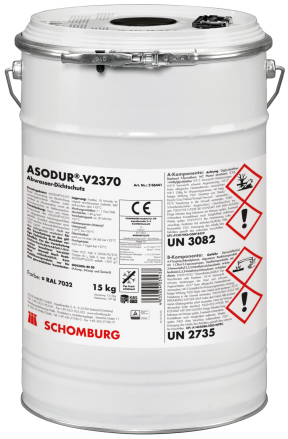
ASODUR®-V2370

Sealing coating



Material number	Package type	Colour	Units / pallet	Pc/package
206441003	15 kg, combination container	≈ RAL 7032 pebble grey	42	1
206441001	15 kg, combination container	Red	42	1
206441002	15 kg, combination container	Black	42	1

Areas of application / surface protection

- As surface protection in sewage treatment plants, sewage pipes, steel sheet piles and digestion towers with cementitious substrates
- As surface protection on cementitious and reactive resin-bound substrates
- Suitable for steel substrates
- for areas of exposure class XWW4 according to DIN 19753
- for interior and exterior use

Product features

- Two component
- Solvent free
- Resistant to weathering
- high chemical resistance
- Resistant to water, wastewater and seawater
- Elastifying
- High resistance to sulphuric acid (pH 0-1)

Advantages

- Can be applied to vertical surfaces
- pigmented
- Sprayable
- Stray current-insulating

ASODUR®-V2370

Existing test certificates

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

Technical Data

Material properties

Product components	2 component system
Base material	Epoxy resin
Density, ready to use product (ISO 1183-1)	approx. 1.37 g/cm³
Shore-A hardness (DIN ISO 7619)	approx. 80
Viscosity A-component (DIN EN ISO 2884-1)	5250 - 7880 mPas (+ 23 °C / 50% relative humidity)
Viscosity B-component (DIN EN ISO 2884-1)	110 - 160 mPas (+ 23 °C / 50% relative humidity)

Mixing

Mix ratio, component A	7 weight proportion
Mix ratio, component B	1 weight proportion
Mixing time	approx. 3 minutes

Application

Substrate temperature	approx. 10 - 30 °C
Max. relative humidity	80 %
Minimum reaction temperature	min. 10 °C
Mixing method, machines, tools	Drill with stirrer
Overcoat and walkable after	Min. 6 - 8 hours, max. 12 hours at + 30 °C Min. 12 - 16 hours, max. 24 hours at + 20 °C Min. 24 - 36 hours, max. 48 hours at + 10 °C
Consumption (non-absorbent substrates)	250 - 400 g/m² per layer
Consumption (absorbent substrates)	400 - 500 g/m² per layer
Pot life	22 - 28 minutes (+ 30 °C) 45 - 55 minutes (+ 20 °C) 90 - 110 minutes (+ 10 °C)
Application temperature	approx. 10 - 30 °C
Hardening time / full resilience	3 days (+ 30 °C) 7 days (+ 20 °C) 10 days (+ 10 °C)

Processing equipment

Aids/tools

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

Manual processing

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

Machine application

ASODUR®-V2370 can be mechanically applied. For precise information, see the additional Technical Information No. 43.

ASODUR®-V2370

Preparing the substrate

Requirement for substrate

1. Dry (moisture content ≤ 6 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
9. Iron and steel surfaces are rust-removed to standard purity level Sa 2.5 in accordance with DIN 55982

Measures for substrate preparation

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

Preparing the surface

1. Pre-treat mineral substrates with ASODUR-SG3-thix crosswise using a roller method
2. Metallic substrates can be directly coated with ASODUR-V2370.

Application

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 resin must run out of the container completely.
5. Mix thoroughly with the mixer until a homogeneous consistency is achieved.
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 carefully again.

Application on cementitious substrates

1. Prime the prepared surface with ASODUR®-SG3-thix in a criss-cross pattern.
2. After the primer has hardened, ASODUR®-V2370 can be applied.
3. Spread evenly over the surface with the fur roller in a criss-cross pattern and level.
4. If necessary, apply the second layer within the overcoating time.

Application on metal substrates

1. ASODUR®-V2370 is applied in in 2 application steps. The first lay serves as a primer.
2. For better control, we recommend applying the layers in alternating colours.
3. Spread over the surface with the fur roller.
4. Level evenly in a criss-cross pattern with the fur roller.
5. The second layer is applied within the appropriate overcoating time according to temperature.

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 container.

ASODUR®-V2370

Notes

- The indicated consumption quantities are calculated values without additions for textured surface roughness and absorbency, level compensation and residual material in the container. 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 period of time, the old surface must be well cleaned and thoroughly roughened. Then apply a complete pore-free new coating.
- Ensure there is good 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. 6–36 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.
- To be assured of even double application, apply the sealant in two different colours.
- If the reworking time is exceeded, the surface must be prepared for another application by sanding after it has hardened.
- For larger surfaces, traces of accretions and overlap must be minimised.
- It is imperative to rinse the mixing pump and the hoses in the event of work interruptions!
- 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 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!

Explanations

Conformity / Declaration / Verification

CE

SCHOMBURG GmbH & Co. KG
Aquafinstraße 2–8
D-32760 Detmold (Germany)
23
2 0644 1-003

EN 1504-2
ASODUR®-V2370
Surface protection material – Coating

Principle 1.3/2.2/5.1/6.1/8.2

Capillary water absorption and water permeability	$w < 0.1\ kg/m^2 \times h^{0.5}$
Pull-off test for assessment of adhesion	≥ 2.0 (1.5) N/mm²
Abrasion hardness	Mass loss ≤ 3000 mg
Impact strength	Class I
CO_2-permeability	SD < 50 m
Resistance to strong chemical attack	Class I
Water vapour permeability	Class III
Fire testing	Class E

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Chemical durability

Test fluid	Concentration (%)	Media group	Classification		
			(≤ 8 hours) low resistance	(≤ 72 hours) medium resistance	(≤ 14 days) high resistance
Petrol		1		X	
Kerosene		2		X	
Heating oil/Diesel		3		X	
Hydrocarbon		4		X	
Benzene and benzene-containing mixtures		4a		X	
Crude oil		4b		X	
Mono- and polyalcohols, glycol ethers		5		X	
Alcohols and glycol ethers		5a		X	
org. Esters and ketones		7		X	
aromatic esters and ketones		7a		X	
formaldehyde solution.	35-40	8		X	
Acetic acid	10	9		X	
Sulphuric acid	20	10			X
Calcium hydroxide	20	11		X	
Sodium chloride solution	20	12		X	
Amines	30-35	13		X	
Solution org. surfactants		14		X	
De-icing salt-solution	35				X

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, which however does not affect the functionality of the waterproofing. In case of doubt
we recommend an object-specific suitability test.