

ASODUR®-V2370

Sealing coating



Material number	Contents	Unit of quantity	Packaging	Colour
206441003	15	KG	Combination packs	≈ RAL 7032 pebble grey
206441001	15	KG	Combination packs	Red
206441002	15	KG	Combination packs	Black

Product features

- Two component
- Solvent free
- Resistant to weathering
- high chemical resistance
- Resistant to water, wastewater and seawater
- Abrasion-resistant
- Elastifying

Advantages

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

Areas of application / surface protection

- As surface protection in sewage treatment plants, sewage pipes, biogas plants, steel sheet piles and digestion towers with cementitious substrates
- As surface protection on cementitious and reactive resin-bound substrates
- Suitable for steel substrates
- For interior and exterior use

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/cm ³
Shore-A hardness (DIN ISO 7619)	approx. 80
Viscosity A-component (DIN EN ISO 2884-1)	5,250 - 7,880 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	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. 6 - 8 hours, max. 12 hours at + 30 °C Min. 24 - 36 hours, max. 48 hours at + 20 °C Min. 9 - 13 hours, max. 48 hours at + 10 °C
Consumption (non-absorbent substrates)	400 - 500 g/m ² per layer
Consumption (absorbent substrates)	250 - 400 g/m ² per layer
Pot life	approx. 0 - 0 minutes
Pot life	22 - 28 minutes (+ 30 °C) 45 - 55 minutes (+ 20 °C) 90 - 110 minutes (+ 10 °C)
Application temperature	from 10 °C to 30 °C
Hardening time / full resilience	3 days (+ 30 °C) 7 days (+ 20 °C) 10 days (+ 10 °C)

Application technology

Aids/tools

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

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

Substrate preparation

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.

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 resin must run out of the container completely.
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.

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.

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 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.
- 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.

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

Observe applicable safety data sheet!

Annotations

Conformity / Declaration / Verification

	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold 23 2 06441-003	
EN 1504-2 ASODUR®-V2370 Oberflächenschutzprodukt - Beschichtung	
Prinzip 1.3/2.2/5.1/6.1/8.2	
Kapillare Wasseraufnahme und Wasser-Durchlässigkeit	w < 0,1 kg/m ² × h ^{0,5}
Abreißversuch zur Beurteilung der Haftfestigkeit	≥ 2,0 (1,5) N/mm ²
Abriebfestigkeit	Massenverlust ≤ 3000 mg
Schlagfestigkeit	Klasse I
CO ₂ -Durchlässigkeit	SD < 50 m
Widerstandsfähigkeit gegen starken chemischen Angriff	Klasse I
Wasserdampfdurchlässigkeit	Klasse III
Brandprüfung	Klasse E

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Chemical durability

Prüfflüssigkeiten	Konzentration (%)	Mediengruppe	Klassifizierung		
			geringe Beständigkeit (≤ 8 Stunden)	mittlere Beständigkeit (≤ 72 Stunden)	hohe Beständigkeit (≤ 14 Tage)
Benzin		1		■	
Flugbenzin		2		■	
Heizöl / Diesel		3		■	
Kohlenwasserstoffe		4		■	
Benzol und benzolhaltige Mischungen		4a		■	
Rohöl		4b		■	
Mono- und Polyalkohole, Glykolether		5		■	
Alkohole und Glykolether		5a		■	
org. Ester und Ketone		7		■	
aromatische Ester und Ketone		7a		■	
Formaldehydsg.	35-40	8		■	
Essigsäure	10	9		■	
Schwefelsäure	20	10		■	
Natriumhydroxid	20	11		■	
Natriumchloridsg.	20	12		■	
Amine	30-35	13		■	
lösung org. Tenside		14		■	
Tausalzlösung	35				■

Alle Angaben wurden unter Laborbedingungen bei +20 °C ermittelt, Abweichungen durch höhere Temperaturen, örtliche Gegebenheiten und Umgebungsbedingungen sind möglich, leichte optische Oberflächenveränderungen oder geringfügiges Aufquellen, ohne die Funktionalität der Abdichtung zu beeinträchtigen, sind dabei grundsätzlich nicht auszuschließen. Im Zweifelsfall empfehlen wir eine objektbezogene Eignungsprüfung.

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