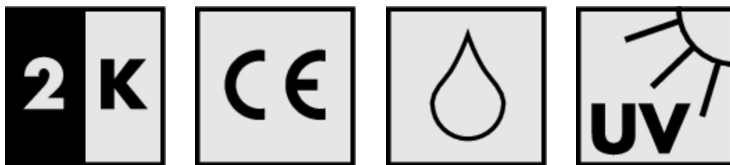


INDUFLEX-PS

2 component polysulfide seam sealer



Material number	Contents	Unit of quantity	Packaging	Colour
206414001	10	L	Set	Grey

Product features

- Two component
- Solvent free
- resistant to weathering, UV and hydrolysis
- stable against pressure, tensile and shear loading
- liquid-tight under permanent deformation
- temperature-resistant from - 40 °C to + 120 °C
- self-levelling

Advantages

- Elastic and UV-resistant
- secure bonding to concrete, cement-based screed, granite paving, asphalt and steel
- reliable bonding to different contact bodies in tram track construction
- Non-running up to 10% incline
- permanently stable against subsidence of up to ≤ 3 mm of the tram tracks
- tensile loads in arcs < 70 m are reliably absorbed
- long service life (maintenance-free period)

Areas of application / surface protection

- as jointing compound between walkable and drivable building components, e.g. industrial and commercial floors, road construction, parking decks, airports, etc.
- for tram track construction between rail and ceiling closure
- For horizontal and inclined joints up to a slope of 10%
- for joint widths von 10 mm bis 65 mm
- For interior and exterior use

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Technical Data

Material properties

Product components	2 component system
Base material	Polysulphide
Density, ready to use product (ISO 1183-1)	approx. 1.6 g/cm ³
Tensile stress module (DIN 53504)	approx. 0.21 N/mm ²
Solid content	100 %
Recoverability (ISO 7389)	> 90 %
Shore-A hardness (ISO 868)	approx. 25
Deformation (DIN EN ISO 11600)	25 %
Viscosity, ready to use product	Pourable-medium viscosity
Volume reduction (DIN 52451)	< 5 %
Total permissible deformation (DIN EN ISO 11600)	max. 25 %
Classification of the reaction to fire in accordance with DIN EN 13501-1	E

Mixing

Mix ratio, component A	100 weight proportion
Mix ratio, component B	6 weight proportion
Mixing time	approx. 8 minutes

Application

Substrate temperature	from 5 °C to 35 °C
Max. relative humidity	80 %
Minimum reaction temperature	min. 5 °C
Mixing method, machines, tools	Drill with stirrer Standard Collormix stirrer Xo 1 R
Consumption	Joint width (mm) × filling depth of jointing compound (mm) = required quantity of jointing compound (ml) per linear metre of joint.
Pot life	approx. 60 - 90 minutes
Hardening time / full resilience	approx. 24 - 48 hours

Application technology

Aids/tools

- Stirrer (approx. 300 rpm)
- Protective gloves
- Can stirrer
- Brush
- Industrial vacuum cleaner
- Smooth wood
- Closed-cell backfill cord

Substrate preparation

Requirement for substrate

1. Dry
2. Firm
3. Load-bearing
4. Grippy
5. Free of adhesion inhibiting substances
6. Protected from the effects of moisture penetration on the rear side

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Measures for substrate preparation

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

Substrate quality class

	Quality / surface cleanliness	Tensile adhesion strength	Age	Moisture content
Concrete	at least C20/25	≥1.5 N/mm ²	at least 28 days	<4% (CM method)
Screed	at least CT-C25-F4 in accordance with DIN EN 13813	≥1.5 N/mm ²	at least 28 days	<4% (CM method)
Natural stone paving	Stone quality in accordance with TL Min-StB + DIN EN 1342			<4% (CM method)
Mastic asphalt	11S/PmB 45A			
Steel	at least SA 2 1/2 in accordance with DIN EN ISO 12944			

Preparing the details

1. The structural prerequisites for joint formation must be met in accordance with DIN 18 540 or IVD technical data sheet no.1 and must be checked on site. The total movement of the joint width must not be more than is suitable for the jointing compound.
2. In the case of building components that are driven over, the joint edges must be prepared for grouting by chamfering. The chamfer must not be filled. In case of high water pressure loads, a supplementary, stable underlining of the backfill cord is recommended (e.g. by Styrodur strip insertion).

Preparing the surface

1. Cementitious, absorbent joint edges must be primed with INDU-Primer-S beforehand.
2. Non-absorbent joint edges must be primed with INDU-Primer-N.
3. Before grouting, protect the joint edge areas with adhesive tape.

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. 8 minutes.
8. Decant the mass into a clean bucket.
9. Stir meticulously again.

Application

1. Insert a closed-cell backfill cord into the prepared joint space without damaging it.
2. The homogeneously mixed jointing compound is filled into the joint in a pouring process without air and smoothed.
3. Rising air bubbles must be removed during the pot life by lightly brushing over with the smoothing wood or a soft flat brush.
4. During the curing period, early stressed (e.g. very high temperature differences; traffic loads with direct contact) must be prevented.

Cleaning tools

Immediately after use, clean tools with ASO-R001.

Storage conditions

Storage

Store in a frost-free, cool and dry place. At min. 5 - 25 °C for 18 months in the original canister. Promptly use opened canister.

Disposal

Hardened product leftovers can be disposed of in accordance with disposal code AWV 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 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 an extended waiting time occurs between the individual application steps, clean the old surface well and cut it off with a cutter blade. Subsequently perform a complete rework.
- Fresh joint sealing on reacted, thoroughly cleaned joint filler can be carried out without supplementary priming of the existing joint filler.
- After joint filler surfaces have been applied, they must be protected against dampness (e.g. rainwater, condensation water) for approx. 4-6 hours.
- Observe the technical data sheets of the products mentioned before starting work.
- 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 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 (Germany) 16 2 06414	
EN 14188-2 sl M INDUFLEX-PS Joint sealant for fuel-resistant joints in concrete ceilings and other traffic areas	
Reaction to fire	Class E
Adhesion	No failure at -20 °C ≤ 0.6 MPa
Adhesion and elongation	Tensile modulus at 100% elongation at +23 °C ≥ 0.15 MPa at -20 °C ≤ 0.6 MPa
Resilience	≥ 70%
Adhesion and elongation properties after storage in liquid chemicals	
Class B, C and D	No failure
Resistance to hydrolysis	passed
Artificial weathering by UV irradiation	passed
Resistance against flames	passed

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Chemical durability

Test group	Media Group	Classification		
		≤ 8 h	≤ 72 h	≤ 3 M
1	Internal combustion engine fuels after DIN EN 228 with a maximum (bio) ethanol content of 5% by volume after DIN EN15376			■
1a	Internal combustion engine fuels after DIN EN 228 and DIN 51626-1 with the addition of biofuel components after Directive 2009/28/EC up to a total content of max. 20% by volume (incl. Size 1)			■
2	Aeroengine fuels (kerosene)		■	
3	- Heating oil after DIN 51603-1 - Unused internal combustion engine oils - Unused gearbox oils - Mixtures of saturated and aromatic hydrocarbons with an aromatic content of ≤ 20% by mass and a flash point > 55 °C.			■
3a	Diesel fuels (after DIN EN 590) with max. 5 vol.% biodiesel (FAME after DIN EN 14214)			■
3b	Diesel fuels (after DIN EN 590) with addition of biodiesel (FAME after DIN EN 14214) up to a total content of max. 20% by volume			■
4	All hydrocarbons, as well as mixtures containing benzene with a maximum of 5% by volume of benzene, except fuels (including Gr. 2, 3, 4b, excluding Gr. 1, 1a, 3b and 4a)		■	
4a	Benzene and mixtures containing benzene		■	
4b	Crude oils			■
4c	Used internal combustion engine oils and used motor vehicle transmission oils with a flash point > 55 °C			■
5	Monohydric and polyhydric alcohols with a maximum of 48% by volume methanol and ethanol, glycol, polyglycols and their monoethers (including Gr. 5b)		■	
7	All organic esters and ketones, except biodiesel (incl. Gr. 7a)		■	
7a	Aromatic esters and ketones, except biodiesel		■	
7b	Biodiesel after DIN EN 14214		■	
8	Aqueous solutions of aliphatic aldehydes up to 40%			■
8a	Aliphatic aldehydes and their aqueous solutions		■	
9	Aqueous solutions of organic acids (carboxylic acids) up to 10% and their salts (in aqueous solution)		■	
10	Inorganic acids (mineral acids) up to 20% and acidic hydrolysing inorganic salts in aqueous solution (pH < 6), except hydrofluoric acid and oxidising acids and their salts			■
11	Inorganic alkaline solutions as well as alkaline hydrolysing inorganic salts in aqueous solution (pH > 8), except ammonia solutions and oxidising solutions of salts (e.g. hypochlorite)			■
12	Aqueous solutions of inorganic non-oxidising salts with a pH between 6 and 8			■
13	Amines and their salts (in aqueous solution)		■ ¹⁾	
	Skydrol		■	
	Adblue, max. 35% urea in aqueous solution			■
	Fuel E85, mixture of 85% bio-ethanol with 15% petrol			■

¹⁾ max. 24 h; (legend: h = hours, M = months)
 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. In the event of damage, it must be ensured that leaking liquid is removed from the sealing surface as quickly as possible and within the maximum permissible exposure time!

The rights of the buyer with regard to the quality of our materials are based on our terms and conditions of sale and delivery. Our technical advice team will be happy to advise you in the case of requirements that exceed the scope of the application described here. In order to be binding, a legally binding written confirmation is required. The product description does not release the user from a duty of care. Lay a test area in the event of uncertainty. This version becomes invalid in the event of a new version being issued.