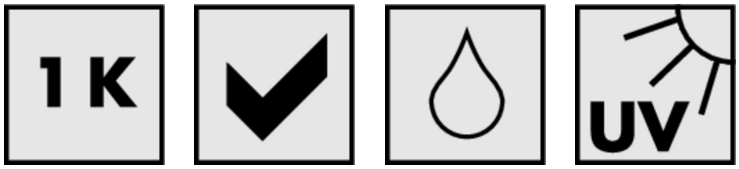
INDUFLEX-PU

Elastic 1 component-PU sealant



Material number	Contents	Packaging	Colour
206415001	600 ml	Tubular bag	Grey

Product features

- Good chemical and mechanical resistance
- Frost-resistant and ageing-resistant
- pigmented
- temperature-resistant from - 40 °C to + 80 °C

Advantages

- Elastic and UV-resistant
- Ready to use
- total permissible deformation: 25%

Areas of application / surface protection

- for joint widths von 10 mm bis 30 mm
- For interior and exterior use

Existing test certificates

CE mark and declaration of performance in accordance with DIN EN 15651-4:2012

INDUFLEX-PU

Technical Data

Material properties

Product components	Ready to use
Base material	Polyurethane (moisture curing)
Density, ready to use product (ISO 1183-1)	approx. 1.3 g/cm³
Recoverability (ISO 7389)	> 90 %
Shore-A hardness (ISO 868)	approx. 40
Temperature resistance	- 40 + 80 °C
Deformation (DIN EN ISO 11600)	25 %
Viscosity, ready to use product	Filler consistency
Water pollution class (WGK)	1 (Selbsteinstufung)
Total permissible deformation (DIN EN ISO 11600)	max. 25 %

Application

Substrate temperature	from 5 °C to 40 °C
Max. relative humidity	80 %
Minimum reaction temperature	min. 5 °C
Consumption	Joint width (mm) × filling depth of jointing compound (mm) = required quantity of jointing compound (ml) per linear metre of joint.
Skin formation time	min. 60 - 90 minutes

Application technology

Aids/tools

- Smooth wood
- Cartridge gun
- Brush
- Industrial vacuum cleaner

Manual processing

Can be smoothed with a smoothing tool

Substrate preparation

Requirement for substrate

1. Dry
2. Load-bearing
3. Firm
4. Grippy
5. Protected from moisture penetration from the rear

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/mm²	at least 28 days	< 4% (CM method)
Screed	at least CT-C25-F4 in accordance with DIN EN 13813	≥ 1.5 N/mm²	at least 28 days	< 4% (CM method)
Plaster	at least P III a / P III b	≥ 0.8 N/mm²	at least 28 days	< 4% (CM method)
Steel	at least SA 2 1/2 in accordance with DIN EN ISO 12944	≥ 1.5 N/mm²		

Preparing the details

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Usage

Application

1. Insert a closed-cell backfill cord into the prepared joint space without damaging it.
2. Before grouting, protect the joint edge areas with adhesive tape.
3. Cementitious, absorbent joint edges must be primed with INDU-Primer-S beforehand.
4. Non-absorbent joint edges must be primed with INDU-Primer-N.
5. INDUFLEX-PU is applied with a suitable cartridge gun. The joint sealant must be applied free of bubbles and voids and must have complete contact with the joint edges.
6. If necessary, level the joint surface within the pot life by lightly brushing over with the smoothing wood or a soft brush using a smoothing agent.
7. Strike off the joint compound with a suitable smoothing tool, pressing on the joint edges and the backfill.

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 15 months in the original canister. Promptly use opened canister.

Disposal

Hardened product leftovers can be disposed of in household waste.

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.
- INDUFLEX-PU must not be used in swimming pool areas and for sealing glass.
- INDUFLEX-PU must not be painted over.
- Slight colour differences, caused by different production batches and raw material fluctuations, are unavoidable. Neighbouring surface sections should be coated using the same production batch (same batch no. on the delivered packaging).
- Protect from the effects of dirt and moisture during the curing phase.
- 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!

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Annotations

Conformity / Declaration / Verification

CE

SCHOMBURG GmbH & Co. KG
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23
2 06415-1

EN 15651-4
INDUFLEX-PU
Joint sealant for movement joints in interior and exterior area (suitable for use in cold climates)
PW EXT-INT CC

Reaction to fire:	Class E
Watertightness and airtightness:	
Tensile characteristics under prestress:	No failure Volume loss ≤ 10%
Tensile strength:	No failure at 50 % extension
Adhesion/elongation characteristics after immersion in water after 28 days:	No failure at 100% extension Change of secant modulus ≤ 50 %
Adhesion/elongation characteristics after immersion in salty water after 28 days:	No failure at 100% extension
Tensile behavior (i.e. secant modulus) at -30°C:	1.3 MPa
Tensile characteristics under preload at -30°C:	No failure at 100% extension
Durability:	passed

Chemical durability

Chemicals	Resistance
Water and seawater	Long-term
Sodium chloride solution < 10%	
Water-diluted cleaning and washing agents	
Weak acids and alkaline solutions	
Cement milk	
Strong acids and alkaline solutions	Short-term or not resistant
Alcohols	
Lacquer and paint thinner	