



Technical Data Sheet

ASOFLEX-PU45

Art.-No. 2 03120

Elastic joint sealant

Properties:

ASOFLEX-PU45 is a one-component pigmented polyurethane sealant. ASOFLEX-PU45 is light and UV stable characterised by high elasticity. ASOFLEX-PU45 possesses good resistance to dilute acids and alkalis, salt solutions, neutral water-based cleaners as well as hot oils and fats.

Areas of application:

ASOFLEX-PU45 is used as a joint sealant for floor joints in heavy duty areas e.g. industrial areas, breweries, dairies, commercial kitchens, balconies, terraces as well as between concrete elements (with low movement accommodation up to 15 – 20% of the joint width).

Technical Data:

Basis:	one-component polyurethane sealant (moisture curing).
Colour:	flint grey approx RAL 7032
Density:	approx. 1.20 g/ml
Shore-A-hardness:	approx. 45
Slump resistance:	very good
Tensile strength:	0.6 N/mm ² (at 100% elongation)
Elongation at break:	2.2 N/mm ²
Tear strength:	10.5 N/mm ²
Movement accommodation:	approx. 15 – 20%
Volume change:	approx. -4%
Recovery:	approx. 90%
Max. joint width:	30 mm
Min. joint width:	10 mm
Min. depth:	8 mm
Application temperature:	+3° C to +40° C (substrate)
Temperature resistance:	-40° C to +90° C (up to +120° C for short periods)
Skin formation:	after approx. 35 minutes (Tnorm)

Speed of vulcanisation:	approx. 3 to 4 mm per 24 hours
Resistance factor $\mu(H_2O)$:	approx. 1000
Cleaning:	Thoroughly clean tools after use with AQUAFIN cleaner
Packaging:	310 ml cartridges
Storage:	12 months when stored cool and dry in the original sealed packaging. Use opened packaging immediately.

Store in accordance with regulations for storing materials damaging to water courses.

Surface preparation:

The area for application must be dry, sound, firm and have good grip. Use suitable preparation methods dependent on the condition of the substrate where application will take place.

Product preparation:

Close the joint with ASO-Vorfüllschnur (backing strip). Prime mineral-based highly porous joint edges with ASO-Primer-TKF. Prepare non-porous joint edges with ASO-1K-Primer-TKF. Construct joint dimensions (width:depth) with the joint factor:
1:1 up to 10 mm wide joints
2:1 from 10 to 30 mm

Health and safety:

Once cured ASOFLEX-PU45 is physiologically harmless. When working with this product the protective provisions from the government safety organisation, information sheet M 044 must be observed.

Important advice:

- ASOFLEX-PU45 is not suitable for applications under water or under constant water pressure.

ASOFLEX-PU45

- Opened tubes must be used within 48 hours.
- Do not use alcohol-based smoothing materials.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the technical services department of SCHOMBURG GmbH Systembaustoffe.
- Waste disposal key: Liquid residue: EAK 08 01 11 paints and varnishes that contain organic solvents or other hazardous materials. Cured product residue: EAK 17 02 03 plastics.

Please observe valid EU safety data sheet.

GISCODE: RU2