

Soudaflex JGS

Revision: 8/05/2020

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Technical data

Basis	Polyurethane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 40 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	Ca. 29 ± 5 Shore A
Density	Ca. 1,24 g/ml
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion	± 25 %
Max. tension (ISO 37)**	Ca. 1,16 N/mm ²
Elasticity modulus 100% (ISO 37)**	Ca. 0,60 N/mm ²
Elongation at break (ISO 37)**	> 800 %
Temperature resistance**	-30 °C → 90 °C
Application temperature	5 °C → 30 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

Soudaflex JGS is a high quality, elastic, one-component polyurethane joint sealant with excellent chemical resistance.

Properties

- Very good adhesion on many materials
- Resistant to liquid manure (tested according to DIN 11622-2).
- Watertight and excellent weather- and chemical resistance
- Very easy to apply
- Permanently elastic after curing
- Excellent resistance to UV radiation

Applications

- Joint sealing in silos or tanks of liquid manure and biogas.
- Sealing of overlapping steel segments and bottom joints of steel tanks.

Packaging

Colour: concrete grey

Packaging: 600 ml foil bag

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Substrates

Substrates: many porous and non-porous substrates, Not suitable for bitumen, PP, PE, PTFE and silicones.

Nature: rigid, clean, dry, free of dust and grease.

Surface preparation: Apply Primer 100 on porous substrates. Always use Primer 100 on natural stone. Prepare non-porous surfaces with a Soudal activator or cleaner (see Technical Data Sheet).

There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion and compatibility test on every surface.

Joint dimensions

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth.

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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Application method

Application method: With manual- or pneumatic caulking gun.

Cleaning: Clean with White Spirit or Soudal Surface Cleaner immediately after use (before curing).

Finishing: With a soapy solution or Soudal Finishing Solution before skinning.

Repair: With the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information.

Remarks

- Soudaflex JGS is paintable with most waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- Soudaflex JGS has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- Do not apply or allow to cure in the presence of uncured silicone sealants, alcohol - or other solvent cleaners.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.
- Do not use in applications where continuous water immersion is possible.
- Do not use on polycarbonate.
- Soudaflex JGS can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.

Standards and certificates

- Resistance to liquid manure and sewage, and tested in accordance with DIN 11622-2. Sample Message P6414, Polymer Institute, Flörsheim.

Environmental clauses*Lead regulation:*

Soudaflex JGS conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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