

# SOUDAFLEX PU35

**Revision: 04/13/23**
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**Technical Data:**

Base	Polyurethane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (68°F / 65% R.H.)	50-60 min
Curing speed * (68°F / 65% R.H.)	Ca. 2 mm/24h
Hardness	30 ± 5 Shore A
Density	1.25 g/ml
Elastic recovery (ISO 7389)	> 80 %
Maximum allowed distortion	± 50 %
Max. tension (DIN 53504)	165 psi
Elasticity modulus 100% (DIN 53504)	85 psi
Elongation at break (DIN 53504)	> 800 %
Temperature resistance	-22°F to 194°F
Application temperature	41°F to 86°F

(\*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates. Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

**Product description**

Soudaflex PU35 is a high quality, elastic, 1-component sealant based on polyurethane.

**Properties**

- 50% movement
- Very easy to apply
- Good weather resistance
- Permanently elastic after curing
- Very good adhesion on many materials
- No bubble formation within sealant (in high temperature and humidity applications)
- Can be painted with most types of paint systems

**Applications**

- All usual building joints with high movement.
- Connection joints between window frames, doorframes and walls.
- Expansion joints between many different construction materials.
- Joints with large movement.
- Sealing of shrinking joints in concrete floors
- Sealing of floor joints

**Packaging**

*Color:* White, Concrete Gray


*Packaging:* 10.1 fl.oz. aluminum cartridge

**Shelf life**

15 months in unopened packaging in a cool and dry storage place at temperatures between 41°F and 77°F.

**Approvals / Standards:**

ASTM 920 Type S. Grade NS. Class 35. Use T, NT, M, A, G, and O.  
 Federal Specification TT-S-00230C Type II Class A  
 ASTM C1247 10 Weeks



**SEALANT • WATERPROOFING  
& RESTORATION INSTITUTE**

**Issued to: Soudal USA**  
**Product: Soudaflex PU35**  
**C719: Pass**  **Ext:+35%** **Comp:-35%**

**Substrate:** : Mortar unprimed, glass unprimed, and Anodized Aluminum unprimed

**Validation Date:** 8/14/20 - 8/13/25

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**SEALANT VALIDATION**  
[www.swronline.org](http://www.swronline.org)

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## Substrates

*Substrates:* all usual building substrates, brick, concrete, metals, ...

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

*Surface preparation:* Soudaflex PU35 has good adhesion to most substrates. In critical situations or to obtain optimum adhesion, use Primer 100 on porous surfaces. Always use Primer 100 on natural stone, no primer on non-porous substrates.

No adhesion on glass, PE, PP and PTFE (Teflon). Soudal recommends a preliminary adhesion test on every surface.

## Joint dimensions

Min. width for joints: 3/16"

Max. width for joints: 1 3/16"

Min. depth for joints: 3/16"

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

## 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 labor hygiene into account. Consult the packaging label for more information.

## Remarks

- When painted with oxidative drying paints disturbances in the drying of the paint may occur (we recommend doing a compatibility test before application).
- Soudaflex PU35 has a good UV resistance but can discolor under extreme conditions or after very long UV exposure.
- It is recommended to do a compatibility test prior to application.
- 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 discoloration and loss of adhesion.
- Do not apply or 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.

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## Environmental clauses

*Leed regulation:*

Soudaflex PU35 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.

## Specifications

ASTM C920 Class 35

TT-S-00230C

CAN/CGSB 19.13-M87

## Limited Warranty:

SOUDAL warrants product to be of good quality and will replace or, at our election, refund the purchase price of any products proved to be defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, SOUDAL MAKES NO WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and SOUDAL shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.