

Code	Description	Size	Colour
20173	Soudal Soudaflex Facade 20LM PU Elastic Joint Sealant	600ml	Grey

1. Description

Soudal Soudaflex Facade 20LM PU Elastic Joint Sealant is a high quality, elastic, one-component sealant based on polyurethane.

2. Characteristics

- Permanently elastic after curing
- Very good adhesion to many materials
- Excellent resistance to UV radiation
- Low modulus

3. Technical Data

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

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

4. Applications

- All usual building joints with high movement
- Connection joints between windows, doorframes and walls
- Expansion joints between many different construction materials
- Joints with large movement

5. Packaging

Sausage 600mL

6. Shelf Life

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

7. Building Product Information

Manufactured By Soudal NV
Distributed By Soudal Ltd

Relevant Building Code Clauses

- Clause B2 DURABILITY: Performance B2.3.1 (b) 15 years and B2.3.1 (c) 5 years
- Clause E2 EXTERNAL MOISTURE: Performance E2.3.2.
- Clause E3 INTERNAL MOISTURE: Performance E3.3.3, E3.3.4, E3.3.5 and E3.3.6.
- Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

Contribution to compliance With NZBC

Performance B2.3.1 (b) 15 years and (c) 5 years: This product achieves these durability requirements and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the relevant Soudal product technical documents. Soudal maintains production & management systems in accordance within its ISO9001:2015 Quality Management System.

Performance E2.3.2: In accordance with E2/AS1. This product has been tested and is compliant with the ISO11600:2002 Type F, Class 25LM classification. soudal.co.nz. When used to seal flexible joints, as part of a roofing or wall cladding system, or around external openings, such as windows and doors, the product contributes to meeting the E2.3.2 weather-tightness requirements.

Performance E3: The product can be used to form impervious joints between sheet lining materials and also a joint between fixtures and lining materials in accordance with NZBC Acceptable Solution E3/AS1.

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Soudal's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Soudal Product Technical Data Sheet and product Safety Data Sheet soudal.co.nz for further information if required.

8. Application Instructions

Surfaces:

Type: All usual building surfaces, brick, concrete and metals.
State of Surface: Ensure surface is clean, dry, free of dust and grease.
Preparation: Porous surfaces should be primed with Gorilla® Primer 100 and Gorilla® 696 Surface Activator may be used on non-porous surfaces.

Due to the range of substrates on the market recommend preliminary compatibility tests prior to commencement of application.

Joint Size:

Minimum Width:	5mm
Maximum Width:	30mm
Minimum Depth:	5mm
Recommendation:	2 x depth = width

Application:

Method:	With manual or pneumatic caulking gun
Backing Material:	PE backer rods for correct joint dimension
Application temperature:	+5°C to +35°C
Clean:	Gorilla Solvent Cleaner immediately after application and before curing
Finish:	With soapy water before skinning
Repair:	Soudal Soudaflex Façade 20LM PU Joint Sealant

Limitations:

Soudal Soudaflex Façade has no adhesion to glass.

To reduce the possible UV damage to the sealant Soudal Ltd recommends coating the sealant with an acrylic paint coating. While Soudal Soudaflex Façade 20LM has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.

Soudal Soudaflex Façade may be painted, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application. The drying time of alkyd resin-based paints may increase. When painted with oxidative drying paints disturbances in the drying of the paint may occur.

Soudal Soudaflex Façade can be applied to a wide variety of substrates. Since specific substrates such as metals, plastics, polycarbonate, etc may differ from manufacturer to manufacturer, we recommend preliminary compatibility tests.

Do not apply or cure in the presence of uncured silicone sealants, alcohol or other solvent cleaners.

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. Not suitable for bonding aquariums.

While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. For optimum adhesion, the use of Gorilla 696 Surface Activator is recommended.

Due to the range of substrates on the market recommend preliminary compatibility tests prior to commencement of application.

9. Health and Safety Recommendation

- Apply the usual industrial hygiene.

Remark

The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. **If any clarification is required, please contact Soudal Technical Services or email info@soudal.co.nz.**

Last Updated: 27 March 2024

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