

Soudaflex 280

Description

Soudaflex 280 is a one-part high modulus and high viscosity modified polyurethane sealant specifically designed for direct glazing of automobile glass replacement (AGR). It is quick setting and air moisture curing.

Properties

- No primer required
- Highly thixotropic, excellent non-sag properties
- Bonds excellently to a variety of substrates
- Solvent free
- High modulus and high viscosity
- Quick setting – fast curing system
- Good weather and UV resistance
- Water-tight
- Excellent water and salt spray resistance
- Good resistance to acids and bases
- Moderate resistance to solvents and hydrocarbons



Application

- Direct glazing of windshield and front, side and rear glasses
- Automobile glass replacement (AGR) in automotive industry
- Equipment, tractor, Forklift applications
- Bonding and sealing applications in Truck, Earth moving transport vehicles such as Bus and Coach, OEM, Aftermarket Auto Repair

Technical data

Base	Polyurethane	
Consistency	Stable paste	
Curing system	Moisture curing	
Specific Gravity (g/ml)	1.35	
Skin formation (minutes)	ca. 50	
Curing speed (mm/24h)	ca. 3 to 4	
Hardness (Shore A, Points)	ISO 868 / ASTM D2240	50 ± 5
Elongation at Break (%)	ISO 37 / ASTM D412	> 400
Shearing resistance (N/mm ²)	3.0 ± 0.5	
Tearing resistance (N/mm)	DIN 53515	> 11
Tensile Strength (N/mm ²)	ISO 37	ca. 5.5 ± 1.0
Temperature Resistance (°C)	-40 to +90	
Application Temperature (°C)	+5 to +35	

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

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Substrates

- Nature of substrate:
Substrates must be rigid, clean, dry, free of dust and grease.
- Substrate preparation:
All smooth surfaces can be treated with Soudal Surface Activator
- Substrate types
- Soudaflex 280 has a good adhesion to Glass, ceramic, painted or naked metal (Aluminum, steel, etc.), cut PU rubber, GRP, epoxy coatings, polyesters.
Soudaflex 280 is not suitable for PE, PP, PTFE (Teflon®), bituminous substrates.
We recommend a preliminary adhesion and compatibility test on every surface.

Application method

- Application method
Apply the product with a manual, pneumatic or a battery-operated caulking gun to one substrate (mostly to the body of the car or bus) and then put the windshield on it and press it before it skins. Do not apply at temperatures under +5°C. In cold weather, store the sausages at +20°C before use.
- Cleaning method
Swiftly clean with Soudal Surface Cleaner or with Soudal Swipex Wipes, immediately after use. Clean tools with MEK or acetone before curing. Cured product can only be removed mechanically.
- Finishing method
With Soudal Finishing Solution before skinning.
- Repair method
Repair with the same material.

Health and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information. Keep the area well-ventilated during use and curing of the product. Dangerous. Respect the precautions for use.

Packaging/Logistics

Colour: Black

Packaging: 600g Sausage

Shelf life: 12 months from the date of production. The product must be stored in its original, undamaged, and sealed packaging under dry conditions, protected from direct sunlight, and at temperatures between +5°C and +25°C.

Remarks

- Soudaflex 280 may be over painted with water-based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- When painted with oxidative drying paints disturbances in the drying of the paint may occur (we recommend doing a compatibility test before application).

This technical data sheet supersedes all earlier versions. The information provided is based on our tests and practical experience and is supplied in good faith as general guidance only, without creating any liability. Since materials, substrates, application design, and processing conditions vary widely and are outside our control, we cannot accept responsibility for the results obtained from use of this information. The user must verify suitability for the intended application through their own testing, and preliminary trials are recommended in all cases. The manufacturer reserves the right to change product specifications without prior notice.