

**Soudaseal 235SF**

Date:03/02/03

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Technical Characteristics:

Base	MS Polymer®
Consistency	Stable Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 12 min. (20°C/65% R.V.)
Curing Rate (*)	2 à 3mm/24h (20°C/65% R.V.)
Hardness	38±5 Shore A
Specific Gravity	1,40g/mL
Maximum Deformation	20%
Temperature Resistance (fully cured)	-40°C until +90°C
Elasticity Modulus 100 %	0,75N/mm ² (DIN 53504)
Tear Strength	3,0N/mm ² (DIN 53504)
Elastical Recovery	>75%
Elongation at break	800% (DIN 53504)

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates

Product:

Soudaseal 235SF is a high quality single component joint adhesive/sealant based on MS-Polymer®. It is chemically neutral and fully elastic. For use in low movement joints and for structural bonding in construction, automotive, marine and aerospace areas where a tough flexible rubber is required.

Characteristics:

- Outstanding bond strength on nearly all surfaces
- Excellent adhesion on porous and non porous substrates
- High performance mechanical properties
- Flexible elastic rubber – movement accomodation up to ±20%
- Straightforward application even in adverse conditions
- No bubble formation within sealant (in high temperature and humidity applications)
- Very easy to tool and finish
- Good extrudability even at low temperatures
- Colour stable and UV resistant
- Ecological advantages – free of isocyanates, solvents, halogens and acids
- Minimal health and safety considerations

- Can be painted with all water based paints and many other systems

Applications:

Structural bonding which requires elasticity and high end strength
Structural bonding in vibrating constructions
Ideal for all marine applications
Joints in swimming pool areas and humid surroundings
Elastic bonding of panels made from HPL or fibreceement
Supple bonding in carbodies, caravans and containers
Shipdeck caulking, ship and boat building

Packaging:

Colour: white, black, other colours on request
Packaging: cartridge 290mL; foil bag 600mL, hobbock 20L and drums 200L on request

Shelflife:

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

Remark: 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. In every case it is recommended to carry out preliminary experiments.



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Resistance to chemical agents:

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis

Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrogens

Substrates:

Nature: clean, dry, free of dust and grease

Priming: Porous surfaces should be primed with Primer 150. For teak use Soudal Deck Primer, Surface Activator may be used on non-porous surfaces.

We recommend preliminary compatibility tests previous to application.

Joint dimensions:

Minimal width: 2mm (bonding)
5mm (joints)

Maximal width: 10mm (bonding)
30mm (joints)

Minimum depth: 5mm (joints)

Recommendation: width of joint = 2x depth of joint

Application:

Method: Manual- or pneumatic caulking gun

Application temperature: +5°C until +30°C

Cleaning: White Spirit or Surface Cleaner

immediately after application and before curing

Tooling: with soapy solution before skin formation

Repair with: Soudaseal 235SF

Health- and Safety Recommendation:

Apply the usual industrial hygiene.

Remarks:

- Soudasal 235SF may be overpainted, 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.
- Soudaseal 235SF can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate etc may differ from manufacturer to manufacturer, we recommend preliminary compatibility tests.

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