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**SOUDASEAL 240FC**

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**Technical Characteristics:**

Base	MS Polymer®
Consistency	Stable Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 10 min. (20°C/65% R.V.)
Curing Rate (*)	2-3mm/24h (20°C/65% R.V.)
Hardness	45±5 Shore A
Change in volume	<2%
Specific Gravity	1,67g/mL
Maximum Deformation	±20%
Temperature Resistance (fully cured)	-40°C until +90°C
Elasticity Modulus 100 %	0,9N/mm <sup>2</sup> (DIN 53504)
Tear Strength	2,0N/mm <sup>2</sup> (DIN 53504)
Elongation at break	>650% (DIN 53504)
Shear Strength Substrate Thickness Shear velocity	>1,4N/mm <sup>2</sup> AlMgSi1 2mm 10mm/min

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

**Product:**

Soudaseal 240FC is a high quality single component joint sealant with high adhesive strength. It is based on MS-Polymer®, chemically neutral and fully elastic. For use in low movement joints in construction, automotive, marine and aerospace areas where a tough flexible rubber is required.

- 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
- Resistance to many chemicals
- No staining of porous materials such as natural stone, granite, marble, etc

**Characteristics:**

- High bond strength on nearly all surfaces
- Excellent adhesion on porous and non porous substrates
- High performance mechanical properties
- Flexible elastic rubber – movement accommodation up to 20%
- Straightforward application even in adverse conditions
- No bubble formation within sealant (in high temperature and humidity applications)
- Primerless adhesion (except where capillary water pressure can occur)
- Very easy to tool and finish
- Good extrudability and UV resistance

**Applications:**

Sealing and bonding in the building industry  
Sealing of trafficated floor joints and low movement wall joints  
Joints in high rise constructions  
Structural bonding in vibrating constructions  
Connection joints in sheet metal fabrication  
Supple bonding in carbodies, caravans and containers

**Packaging:**

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

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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**Shelflife:**

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

**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:* For porous surfaces Primer 150 may be applied. Non porous substrates may be primed with Soudal Surface Activator

We recommend preliminary compatibility tests previous to application.

**Joint dimensions:**

Minimal width: 2mm (bonding)

5mm (joints)

Maximum Width:10mm (bonding)

30mm (joints)

Minimum Depth: 5mm (joints)

Recommendation: with of joint = 2x depth of joints

**Application:**

*Method:* Manual- or pneumatic caulking gun

*Application temperature:* +1°C until +30°C

*Cleaning:* White Spirit or Surface Cleaner immediately after application and before curing

*Tooling:* soapy solution before skin formation

*Repair with:* Soudaseal 240FC

**Health- and Safety Recommendation:**

Apply the usual industrial hygiene.

**Remarks:**

- Soudaseal 240FC may be overpainted with waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compability test before application. The drying time of alkyd resin based paints may increase.
- Soudaseal 240FC 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 compabilty test.

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