SOUDAL

Technical Data Sheet

Soudaseal 222LM

Technical data

Basis	SMX Hybrid Polymer
Consistancy	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 15 min
Curing speed * (20°C / 65% R.H.)	3 mm/24h
Hardness	25 ± 5 Shore A
Density	1,55 g/ml
Maximum allowed distortion	± 25 %
Temperature resistance	-40 °C → 90 °C
Max. tension (DIN 53504)	0,95 N/mm²
Elasticity modulus 100% (DIN 53504)	0,50 N/mm²
Elongation at break (DIN 53504)	> 250 %
Tooling time*	Ca. 30 min
Application temperature	5 °C → 35 °C

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

Product description
Soudaseal 222LM is a high quality, neutral, elastic, 1-component joint sealant based on SMX-Polymer.

Properties
- Good adhesion on most common building materials.
- Meets GEV EMICODE EC1 PLUS: very low emission
- Easy to tool, extrude (even at low temperatures) and finish in all weather conditions.
- Phthalate-free
- Stays elastic after curing.
- No odour
- No bubble formation within sealant in high temperature and humidity applications.
- Primerless application on many substrates (except where water pressure may occur)
- Can be painted with water based systems
- Good colour stability, weather and UV resistance
- Solvent, halogen, acid and isocyanate free.

Applications
- Expansion and connection joints in the building industry: sealing of joints in prefabricated buildings, sealing between window and door frames,…
- Applications where the sealant needs to be overpainted with water based paints and varnishes.

Packaging
Colour: concrete grey, beige, RAL9010 (white), RAL9016 (white)
Packaging: 600 ml sausage, other packaging on request

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

Chemical resistance
Good resistance to water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis and (salt) water. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

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Substrates
Substrates: all usual building substrates, aluminium, stone, treated wood, PVC, ...
Nature: clean, dry, free of dust and grease.
Surface preparation: All smooth surfaces can be treated with Surface Activator. Porous surfaces in water loaded applications should be primed with Primer 150.
We recommend a preliminary adhesion test on every surface.

Joint dimensions
Min. width for joints: 5 mm
Max. width for joints: 30 mm
Min. depth for joints: 5 mm
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 Surface Cleaner immediately after use.
Finishing: With a soapy solution or Soudal Finishing Solution before skinning.
Repair: With the same material

Health- and Safety Recommendations
Take the usual labour hygiene into account. For more information see Material Safety Data Sheet.

Remarks
- Soudaseal 222LM may be overpainted with water based paints, 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 222LM can not be used as a glazing sealant.
- Soudaseal 222LM is suitable for sealing on natural stone on condition the joint dimensions and joint movement are respected. Avoid permanent pressure on the sealant.
- When applying, make sure not to spill any sealant on the surface of materials. Taping the surface around the joint can prevent this.
- A total absence of UV can cause a color change of the sealant.

Standards
- Soudaseal 222LM meets GEV EMICODE EC1 PLUS: very low emission.

Environmental clauses
Leed regulation:
Soudaseal 222LM 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.

Liability
The content of this technical data sheet is the result of tests, monitoring and experience. She is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.