SOUDAL

Technical Data Sheet

SOUDASEAL 215 LM

Technical Characteristics:

Base	MS Polymer®
Consistency	Stable Paste
Curing System	Moisture Cure
Skin Formation (*) (20℃/65% R.V.)	Ca. 10 min.
Curing Rate (*) (20℃/65% R.V.)	2 mm/24h
Hardness (DIN 53505)	25 ± 5 Shore A
Specific Gravity (DIN 53479)	1,45 g/ml
Elastic Recovery (ISO 7389)	> 70%
Movement Capability	± 25%
Temperature Resistance (fully cured)	-40℃ to +90℃
Elasticity Modulus 100 % (DIN 53504)	0,36 N/mm²
Tear Strength (DIN 53504)	1,30 N/mm²
Elongation at break (DIN 53504)	> 900 %

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

Product:
Soudaseal 215LM is a high quality, neutral, elastic single component joint sealant based on MS-Polymer.

Characteristics:
- Tested and conform to ISO 11600-F-25LM
- High bond strength on nearly all surfaces
- Excellent adhesion and extrudability, even in adverse conditions
- High performance mechanical properties
- almost odourless
- No bubble formation within sealant, even in wet and humid conditions
- Primerless adhesion on many substrates (except where water pressure may occur)
- Colour stable and UV resistant
- Ecological advantages – free of isocyanates, solvents, halogens and acids
- Paintable with all water based paints (other systems should be tested)
- Excellent weather resistance in all climates

Applications:
Expansion and connection joints in the building industry: Sealing of joints in prefabricated buildings, movement joints in high rise constructions, sealing between window and door frames,…
Flexible joints in marine and automotive applications.
Applications that should be painted with water based paints.

Packaging:
Colour: white, black, concrete grey, grey, middle grey, brown, dark beige, basalt grey, other colours on request
Packaging: cartridge 290mL; foil bag 600mL (other packaging on request)

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

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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 hydrocarbons

Substrates:
Nature: all usual building materials: stone, metal, PVC, pre-treated wood,…
Nature: clean, dry, free of dust and grease
Priming: Porous surfaces in water loaded applications should be primed with Primer 150. Surface Activator may be used to pretreat non-porous surfaces.
We recommend preliminary compatibility tests previous to application.

Joint dimensions:
Minimal width: 5mm
Maximal width: 30mm
Minimum depth: 5mm
Recommendation: width = 2 x depth

Application:
Method: Manual- or pneumatic caulking gun
Application temperature: +5℃ until +35℃
Surface temperature: > +5℃
Cleaning: White Spirit or Surface Cleaner immediately after application and before curing
Tooling: soapy solution before skin formation
Repair with: Soudaseal 215 LM

Health- and Safety Recommendation:
Apply the usual industrial hygiene.

Remarks:
Soudaseal 215LM 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.
Soudaseal 215 LM should not be used as a glazing sealant.

Soudaseal 215 LM is suitable to use between natural stone on condition the joint dimensions and joint movement are respected.
When applying the sealant make sure not to spill any sealant on the surface of material around the joint. Avoid this by temporary taping the edges of the joint.

Tests/Approvals:
- Belgium : ATG 98/2241 (ISO 11600-F-25LM)
- Germany : MPA-NRW 22-0902 5 98 to DIN 18540-F
- UK : BBA SC 007/01 (ISO 11600-F-25LM
- New Zealand : BRANZ Appraisal Nr 419

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