



Soudaseal 215LM+

Product description

Soudaseal 215LM+ is a high quality, neutral, elastic, one-component joint sealant based on SMX-polymer.

Properties

- Very good adhesion on many materials, even if slightly moist
- Easy to tool, extrude (even at low temperatures) and finish in all weather conditions.
- Permanently elastic after curing
- Phthalate-free
- Tin-free
- Low odour
- No bubble formation within sealant in high temperature and humidity applications
- Primerless application on many substrates (except where water pressure may occur)
- Non staining on natural stone
- No hydrophobic effect on natural stone
- Can be painted with water based systems
- Good UV resistance
- Good weather resistance

Applications

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

Technical data

Base	SMX Hybrid Polymer	
Consistency	Stable paste	
Curing system	Moisture curing	
Skin formation	Ca. 45 minutes	
Curing speed	Ca. 2 mm/24h	
Density	Ca. 1.52 g/ml	
Maximum allowed distortion	± 25 %	
Elasticity modulus	ISO 37	Ca. 0.61 N/mm ²
Elastic recovery	ISO 7389	> 70 %
Elongation at break	ISO 37	> 700 %
Maximum tension	ISO 37	Ca. 1.25 N/mm ²
Hardness	Ca. 26 ± 5 Shore A	
Water vapour diffusion resistance factor (μ)	Ca. 1074	
Water vapour permeability (Sd)	Ca. 4.30 m	
Application temperature	+5°C → +35°C	

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Temperature resistance

-40°C → +90°C

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

Substrates

- **Substrate condition**
The surface must be rigid, clean, dry or slightly moist, free of dust and grease.
- **Substrate preparation**
Soudaseal 215LM+ has a good adhesion to most substrates. However, for optimal adhesion and in critical applications, such as joints exposed to extreme weather conditions, high- or water-loaded joints, we recommend to follow a pre-treatment procedure. Porous surfaces should be primed with Primer 150. If needed non porous surfaces can be prepared with a Soudal activator or cleaner (see Technical Data Sheet).
- **Substrate types**
Soudaseal 215LM+ has a good adhesion to following substrates: aluminium, natural stone, lacquered wood, PVC, brick, etc.. Soudaseal 215LM+ has no good adhesion or is not suitable for PE, PP, PTFE (Teflon®), bituminous substrates, copper or copper containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

Application method

- **Application method**
Apply the product by means of a manual-, battery- or pneumatic- caulking gun. Apply the product evenly without air inclusions into the joint. Smoothen the joint with a spatula with the help of finishing solution. Avoid that finishing solution comes between the joint edges and sealant (to prevent adhesion loss).
- **Cleaning method**
Clean with Soudal Surface Cleaner or with Soudal Swipex Wipes, immediately after use.
- **Finishing method**
With Soudal Finishing Solution before skinning.
- **Repair method**
Repair with Soudaseal 215LM+.

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: Please consult the product catalogue, the Soudal website or a Soudal representative.
Packaging: Please consult the product catalogue, the Soudal website or a Soudal representative.
Shelf life: 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C, Once opened the product has only a limited shelf life.

Standards and certificates

- Conform ISO 11600 F 25LM
- Tested according to ASTM C1248: no staining on natural stone
- Tested according to ISO 16938-1 (Testing for staining on natural stone by sealants).

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Joint dimensions

- Min. width for joints: 5 mm
- Max. width for joints: 30 mm
- Min. depth for joints: 5 mm
- Recommendation for sealing jobs: joint width = 2 x joint depth

Environmental clauses

- Leed regulation: Soudaseal 215LM+ 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.

Remarks

- Soudaseal 215LM+ is paintable with most waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- Soudaseal 215LM+ can not be used as a glazing sealant.
- When applying, make sure not to spill any sealant on the surface of materials next to the joint. Using tape on the surface next to the joint can prevent this.
- A total absence of UV can cause a color change of the sealant.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Not suitable for bonding aquariums.
- Do not use in applications where continuous water immersion is possible.
- Discoloration of the product due to chemicals, high temperatures, UV-radiation may occur.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discoloration and loss of adhesion.

This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. It is general in nature and does not constitute any liability. 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. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.