

Soudaseal 212 CS

Description

Soudaseal 212 CS is a high quality, neutral, elastic, one-component non-staining joint sealant based on SMX-Polymer.

Properties

- Good extrudability
- Stays elastic after curing and very durable
- Excellent adhesion on nearly all surfaces, even if slightly moist
- Can be painted with water-based systems
- Odourless
- Does not contain solvents, isocyanates, acids, halogens and toxic components, completely neutral
- Good weather and UV resistance
- No staining on porous surfaces such as marble, granite and other natural stones

Application

- Expansion and connection joints in the building industry.
- Sealing of perimeter joints between window and door frames, joints between wall and ceiling, ..., etc.
- Sealing and bonding in the building and construction industry.
- Universal adhesive and joint sealant.



Technical data

Base	SMX Hybrid Polymer	
Consistency	Stable paste	
Curing system	Moisture curing	
Specific Gravity (g/ml)	ca. 1.52	
Skin formation (minutes)	ca. 10	
Curing speed (mm/24h)	2 to 3	
Hardness (Shore A, Points)	ISO 868 / ASTM D2240	35 ± 5
Maximum allowed distortion (%)	ISO 11600	± 25
Maximum allowed distortion (%)	ASTM C719	± 50
Elongation at Break (%)	ISO 37 / ASTM D412	ca. 750
Elasticity Modulus (N/mm ²)	ISO 37	0.49
Tensile Strength (N/mm ²)	ISO 37	> 1.5
Temperature Resistance (°C)	-40 to +90	
Application Temperature (°C)	+5 to +35	

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, free of dust and grease.

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■ Substrate preparation

Soudaseal 212 CS 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 following a pre-treatment procedure. Prepare non-porous surfaces with a Soudal activator or cleaner (see Technical Data Sheet). Porous surfaces in water loaded applications should be primed with Primer 150.

■ Substrate types

Soudaseal 212 CS has an excellent adhesion on most common substrates: all usual building substrates, treated wood, PVC, plastics, brick, concrete, ceramic tiles, glass, metals, natural stone. etc. Soudaseal 212 CS has been tested on the following metal surfaces: steel, AIMS1, electrolytic galvanised steel, AlCuMg1, flame galvanised steel, AlMg3 and steel ST1403. Soudaseal 212 CS also has good adhesion on plastics: polystyrene, PVC, fiberglass reinforced epoxy, polyester. Soudaseal 212 CS 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.

Joint Size

Minimum width for bonding: 2 mm

Minimum width for joints: 5 mm

Maximum width for bonding: 10 mm

Maximum width for joints: 30 mm

Minimum depth for joints: 5 mm

Recommendation for sealing jobs: joint width = 2 x joint depth.

Application method

■ Application method

Apply the product with a manual, pneumatic or a battery-operated caulking gun. Apply Soudaseal 212 CS evenly without air inclusions into the joint.

■ Cleaning method

Swiftly clean with Soudal Surface Cleaner or with Soudal Swipex Wipes, immediately after use. Cured product can only be removed mechanically.

■ Finishing method

Smoothen the joint with a spatula with the help of finishing solution. Avoid the contact of soapy solution with the joint directly, to avoid adhesion loss of the sealant.

■ Repair method

Repair with the same material.

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: White, Grey, Black

Packaging: 600g Sausage

Shelf life: 12 months from the date of production. The product must be stored in its original, undamaged, and sealed packaging under dry conditions, protected from direct sunlight, and at temperatures between +5°C and +25°C.



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Remarks

- Soudaseal 212 CS 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.
- Soudaseal 212 CS cannot be used as a glazing sealant.
- A total absence of UV can cause a color change of the sealant.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap residue will stimulate the development of fungi.
- 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.
- Soudaseal 212 CS has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- 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 discolouration and loss of adhesion.

This technical data sheet supersedes all earlier versions. The information provided is based on our tests and practical experience and is supplied in good faith as general guidance only, without creating any liability. Since materials, substrates, application design, and processing conditions vary widely and are outside our control, we cannot accept responsibility for the results obtained from use of this information. The user must verify suitability for the intended application through their own testing, and preliminary trials are recommended in all cases. The manufacturer reserves the right to change product specifications without prior notice.