



Product

Seal-it® 218 SILICON-CL is a fungicidal and neutral-curing sealant that is available in many colours, for structural, glazing, façade and sanitary joints, that is based on silicone technology and moisture-cures into a durable rubber that retains its elasticity.

Applications

- Specially designed for projects that require joint seals in specific colours for aesthetic reasons.
- Fungicidal joint sealant in sanitary spaces and other spaces with plumbing fixtures, such as bathrooms, showers, toilet rooms, saunas, kitchens, cold storage units, slaughter halls and washing and laundry rooms.
- Seal connecting and dilation joints between building components made from concrete, stone, masonry, stainless steel, plastic, PVC, polycarbonate, steel, coated and anodised aluminium, wood, composite and glass in façade and interior structures.
- Top and bead seals for insulating and laminated glass, in accordance with NEN 3576/NPR 3577.
- Joint sealant for sections, window and door frames, panels, boards and other building components.
- Repair compound for glazing, sanitary, façade and other joints, based on silicone.

Packaging and colours

12 cartridges (310 ml)

Available in all NCS and RAL colours

Properties

- Durable, retains elasticity, maximum movement capacity of 25%.
- Excellent adhesion and working properties, versatile.
- Neutral, low-odour, acid-free and non-shrink curing, CE-certified silicone system.
- For orders starting from 1 cartridge, fast delivery within a few working days, in all NCS and RAL colours.
- Meets requirements for intruder-resistant glass, in accordance with the Secure Home Police Label (the "Politie Keurmerk veilig wonen").
- Fungicidal in accordance with ISO 846.
- Good resistance to discolouration, UV, weather, water, moisture, cleaning products and ageing.
- Non-corrosive to metals.
- Compatible in direct contact with PVB-laminated glass and edge seals on insulating glass.
- Free of solvents and organic plasticisers.
- Very low emission: certified VOC emission class A+.

Application conditions

- Application temperature (ambient and surface) between +5°C and +40°C.
- On stable, compatible, dry, clean, uncontaminated, grease-free and dust-free surfaces.
- Ensure proper joint dimensions, for proper absorption of any movements.

Technical properties

Property	Value + unit
Viscosity (ISO 7390)	< 2 mm
Density	1,03 g/ml
Skin formation time (23°C and 55% R.H.)	10-15 minutes
Cures in 24 hours (23°C and 55% R.H.)	2 mm
Contraction	nihil
Permissible deformation	25%
Temperature resistance once fully cured	from -40°C to +120°C
Mechanical values	2 mm film
Shore A hardness (DIN 53505)	18°
Modulus at 100% (DIN 53504)	0,35 MPa
Tensile strength (DIN 53504)	1,15 MPa
Stretch at breaking point (DIN 53504)	450%
Certifications	EN 15651-1: F-EXT-INT-CC 25LM EN 15651-2: G-CC 25LM EN 15651-3: S-XS1 EN 15651-4: PW-EXT-INT-CC 25LM VOC-emission class A+
Shelf life	In unopened original packaging, stored in a cool dry place between +5°C and +25°C, the product will last up to 15 months after the production date

Application conditions

- Use a suitable brush to remove any loose particles from the surface.
- Degrease the surface properly using Seal-it® 510 CLEANER.
- Seal-it® 218 SILICON-CL has a broad bonding spectrum, but highly porous surfaces should be pre-treated with Seal-it® 520 PRIMER and non-porous surfaces with minimal bonding should be treated with Seal-it® 525 Clean & Bond.
- Use Seal-it® 550 FINISH to apply a smooth and tight finish, before skin formation.

Paintability

Seal-it® 218 SILICON-CL is not paintable. We recommend taping off joint edges to prevent silicone contamination on unpainted adjacent surfaces.

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Cleaning

Remove fresh/uncured material from surfaces and tools using Seal-it® 510 CLEANER. Clean hands/skin with Seal-it® 515 ULTRA-WIPES. Cured material must be removed mechanically.

Limitations and recommendations

Not suitable for aquarium seals or applications in direct contact with natural stone, the silver coating on mirrors or foodstuffs. Not suitable for PE, PP, PTFE, PMMA, PC, soft plastic, neoprene or bituminous surfaces. Ensure adequate humidity in the immediate environment. Discolouration may occur under certain conditions, such as due to direct contact with chemicals, applications in dark rooms/spaces or release of plasticiser from the surface. We recommend testing adhesion and material compatibility in advance.

Health and safety

Avoid long-term contact with skin. If uncured material gets in your eyes, rinse out thoroughly with plenty of water and consult a physician. Use in well ventilated spaces and/or locations. The product safety data sheet is available on request.

General information

The information contained in this document is provided in good faith and is believed to be correct. However, we have no influence on the conditions in which these products are used or the methods by which they are used. Therefore, this information is not a substitute for tests which the customer must perform himself/herself in order to ensure that the products are safe, effective and achieve the intended purposes. Suggestions regarding the use of the product must not be used as grounds for infringement of any patent whatsoever. The only guarantee Castelein Sealants offers is that this product complies with the Castelein Sealants terms and conditions of sale in force at the time of shipment. Your only remedy in the event of a breach of this guarantee is the refund of the purchase price or the replacement of the product that does not comply with the guarantee.

Technical data of supplier: 2017 09 05

The producer reserves the right to make changes. 2020 04 01