



Product

Seal-it® 250 SILICON-ALL is a versatile, fungicidal, plasticiser-free, neutral-curing sealant for structural, glazing, façade, façade component, sanitary, natural stone and swimming pool joints that is based on silicone technology and moisture-cures into a durable rubber that retains its elasticity.

Applications

- Particularly suited for universal and durable joint seals, on practically all surfaces and materials.
- Natural stone sealant for highly absorbent stone types and other porous surfaces, such as marble, granite, hard stone, sand-lime brick, concrete, masonry and untreated wood.
- Sanitary sealant in sanitary spaces and other spaces with plumbing fixtures, such as bathrooms, toilet rooms, kitchens, saunas, laundry rooms, washing rooms, steam rooms, slaughterhouses and cold storage units/appliances.
- Construction compound for building and façade components, such as windows, door and window frames, sections, panels, boards, mouldings, profiles and prefab parts made from concrete, stone, masonry, metal, glass, wood, coated and anodised aluminium, stainless steel, plastic, PVC and composite.
- Antibacterial sealant, for air and climate control systems, cold storage units and cleanrooms, such as sterile, laboratory, hospital, hygienic, pharmaceutical, food and other critical spaces.
- Glazing compound for top and bead seals in glass panes, in accordance with NEN 3576 and NPR 3577.
- Mirror adhesive/sealant for stainless mirror adhesion and sealing.
- Swimming pool sealant, in combination with the right 2-part primer.
- Repair compound for repair of old silicone joints in construction, glass, sanitary spaces, façades, natural stone, swimming pools and more.

Packaging

20 sausages (400 ml)
12 cartridges (310ml)

Properties

- ✓ Durable, retains elasticity, maximum movement capacity of 25%.
- ✓ Excellent adhesion and working properties.
- ✓ Versatile, all-in-one sealant for natural stone, sanitary spaces and other spaces with plumbing fixtures, door and window frames, swimming pools, mirrors, glazing, façades, façade components, floors, cold storage units, cleanrooms, air ducts, food areas and more.
- ✓ Fungicidal as per ISO 846, bacteria/micro-organism-resistant. See test report.
- ✓ 100% MEKO, solvent and plasticiser-free.
- ✓ Meets requirements for intruder-resistant glass, in accordance with the Secure Home Police Label (the "Politie Keurmerk veilig wonen").

Technical product data

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	-60°C to +180°C
Mechanical values	2 mm film
Shore A hardness (DIN 53505)	28
Modulus at 100% (DIN 53504)	0,35 MPa
Tensile strength (DIN 53504)	1,40 MPa
Stretch at breaking point (DIN 53504)	500%
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 - EUROFINS LEED® - VOC-emission class A+ - ISEGA FOOD APPROVAL - EMICODE EC1 PLUS
Shelf life	In unopened original packaging, stored in a cool dry place between +5°C and +25°C, the product will last up to 12 months after the production date.

Properties

- ✓ Very low emission: certified VOC emission class A+, EMICODE EC1 PLUS and EUROFINS LEED®.
- ✓ Neutral, low-odour, non-shrink and acid-free curing, CE-certified silicone system.
- ✓ No staining or bleeding on porous/absorbent/open surfaces, no edge contamination, non-corrosive to metals.
- ✓ Compatible in direct contact with foodstuffs, the silver coating on mirrors, PVB film on laminated glass and edge seals on insulating glass.
- ✓ Good resistance to discolouration, UV, water, moisture, weather, cleaning products and ageing.
- ✓ Broad selection of colours, in both cartridges and foil packs.

250 SILICON-ALL

Colours

Colour	12 x 310ml cartridge	20 x 400ml sausage
Transparant	x	x
Transp/grey	x	x
Bahamabeige	x	
Anthracite	x	x
Manhattan	x	x
Silver grey	x	x
Basalt grey	x	x
Grey	x	
Buxy	x	
Sanitary grey	x	x
Linsey grey	x	x
Anthracite grey		x
RAL 9001	x	x
White	x	x
Pergamon	x	
Off white	x	x
Jasmine	x	
Black	x	x

Other colours and/or packaging on request.

Application conditions

- ✓ Application temperature between a minimum of +5°C and a maximum of +40°C.
- ✓ On clean, uncontaminated, dry, stable, compatible, dust-free and grease-free surfaces.
- ✓ Ensure proper joint dimensions, for proper absorption of any movements.
- ✓ Use a suitable brush to remove any loose particles from the surface.
- ✓ Degrease the surface properly using Seal-it® 510 CLEANER.
- ✓ Seal-it® 250 SILICON-ALL 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® 250 SILICON-ALL is not paintable. We recommend taping off joint edges to prevent silicone contamination on unpainted adjacent surfaces.

Limitations and recommendations

Not suitable for aquarium applications. Not suitable for PE, PP, PTFE, neoprene or bituminous surfaces. 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. Ensure adequate humidity in the immediate environment. We recommend testing adhesion and material compatibility in advance.

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.

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: 2020 03 03

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