

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.



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").
- 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.

Standard product line

Colour	12 x 310ml cartridge	20 x 400ml foil pack
Transparent	SI-250-0000-310	SI-250-0000-400
Transparent/grey	SI-250-0070-310	SI-250-0070-400
Bahama beige	SI-250-1110-310	
Anthracite	SI-250-7016-310	SI-250-7016-400
Manhattan	SI-250-7101-310	SI-250-7101-400
Silver/grey	SI-250-7106-310	SI-250-7106-400
Basalt grey	SI-250-7120-310	SI-250-7120-400
Grey	SI-250-7129-310	
Buxy	SI-250-7130-310	
Sanitary grey	SI-250-7160-310	SI-250-7160-400
Linsey grey	SI-250-7168-310	SI-250-7168-400
Anthracite grey		SI-250-7247-400
RAL 9001	SI-250-9001-310	SI-250-9001-400
White	SI-250-9100-310	SI-250-9100-400
Pergamon	SI-250-9110-310	
Off-white	SI-250-9113-310	SI-250-9113-400
Jasmine	SI-250-9114-310	
Black	SI-250-9200-310	SI-250-9200-400



Other colours and/or packaging on request.

Technical product data

Base	SILICONE OXIME		
Viscosity	mm	ISO 7390	<2
Density	g/ml		1.03
Skin formation time	min.	23°C/55% RH	10-15
Cures in 24 hours	mm	23°C/55% RH	2
Contraction			None
Permissible deformation	%		25
Temperature resistance once fully cured	°C		-60/+180
Mechanical values	2mm film		
Shore A hardness		DIN 53505	28
Modulus at 100%	MPa	DIN 53504	0.35
Tensile strength	MPa	DIN 53504	1.40
Stretch at breaking point	%	DIN 53504	500

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.

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.

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 & 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.

Health & 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.

Warranty & liability

Connect Products BV guarantees that its product will meet the specifications during its shelf life. Liability shall never exceed that stipulated in our terms and conditions of sale and supply. Under no circumstances shall the seller be held liable for any consequential damages. The information provided is the result of our testing and experience and is general in nature. However, it does not entail any liability. Users are responsible for performing their own tests to determine whether the product is suitable for the application.



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
SKZ geprüft

