

# Technical Documentation

## SEAL-IT® 216 SILICON-SA

### Product

SEAL-IT® 216 SILICON-SA is a high-quality, antifungal and versatile joint sealant Polysiloxane-based. Specifically for sealing construction, sanitary, façade and glazing joints.

### Applications

- Specifically for mould-resistant joint sealing in sanitary areas and wet rooms, such as in bathrooms, toilets, kitchens, saunas, slaughterhouses, cold stores and freezers.
- Sealing movement joints with high elasticity in building, glazing and façade constructions.
- Sealing connection joints along facades, window frames, panels, windows and prefabricated elements.
- Top and heel sealing when installing single, insulating and safety glass.
- Sealing PMMA and PC board materials does not cause stress cracking/hairline cracks.
- Repair of damaged silicone joints in construction, glazing, sanitary facilities and facades.

### Properties

- Low odor, neutrally curing.
- Durable permanently elastic.
- Excellent processing and adhesion properties.
- Mold resistant according to **ISO 846 A+B**.
- Contains no organic plasticizers and solvents.
- In accordance with the Police Quality Mark Safe Living (**PKVW**).
- Compatible with food (**ISEGA**), PVB films laminated glass and edge seals made of insulating glass.
- Low emission, **VOC A+ and EMICODE EC-1 PLUS** certified.
- Durable UV, weather, water, moisture and aging resistant.



### Connect Products B.V.

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### Standard Range

| Colour                 | 12 x 310ml cartridge | 20 x 400ml foil | 12 x 600ml foil |
|------------------------|----------------------|-----------------|-----------------|
| Transparent            | SI-216-0000-310      |                 | SI-216-0000-600 |
| Transparent/grey       | SI-216-0070-310      | SI-216-0070-400 |                 |
| Anthracite             | SI-216-7016-310      | SI-216-7016-400 |                 |
| Manhattan              |                      | SI-216-7101-400 |                 |
| Silver grey            | SI-216-7106-310      | SI-216-7106-400 |                 |
| Basalt grey            |                      | SI-216-7120-400 |                 |
| Buxy                   | SI-216-7130-310      |                 |                 |
| Sanitary grey          | SI-216-7160-310      | SI-216-7160-400 |                 |
| Linsey grey            | SI-216-7168-310      | SI-216-7168-400 |                 |
| Anthracite grey        |                      | SI-216-7247-400 |                 |
| Grey white<br>RAL 9002 |                      |                 | SI-216-9002-600 |
| White                  | SI-216-9100-310      | SI-216-9100-400 |                 |
| Pergamon               | SI-216-9110-310      | SI-216-9110-400 |                 |
| Off white              | SI-216-9113-310      | SI-216-9113-400 |                 |
| Jasmine                | SI-216-9114-310      |                 |                 |
| Black                  | SI-216-9200-310      | SI-216-9200-400 |                 |

Other colours and/or packaging on request.

### Technical Product Data

| PROPERTY                                        | STANDARD     | SPECIFICATION                   |
|-------------------------------------------------|--------------|---------------------------------|
| Base                                            |              | SILICONEN ALCOXY<br>1-COMPONENT |
| Viscosity                                       | ISO 7390     | <2 mm                           |
| Density                                         | ISO 1183     | 1,01 g/ml                       |
| Skin formation time                             | +23°C/50% RV | 15 – 25 minutes                 |
| Hardening after 24 hours                        | +23°C/50% RV | 2 mm                            |
| Permissible deformation                         |              | 25%                             |
| Temperature resistance<br>after complete curing |              | -40/+150°C                      |
| Mechanical values                               |              | 2 mm film                       |
| Shore a hardness                                | DIN 53505    | 22                              |
| Modulus 100%                                    | DIN 53504    | 0,34 MPa                        |
| Tensile strength                                | DIN 53504    | 0,95 MPa                        |
| Elongation at break                             | DIN 53504    | 400%                            |
| Shrinkage                                       |              | None                            |



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### Shelf Life

Store in unopened original packaging in a cool and dry place, between +5°C and +25°C.  
Shelf life: maximum 15 months after production date.

### Application Conditions

- Processing temperature (environment and substrate) between min. +5°C and max. +40°C.
- On load-bearing, compatible, dry, clean, grease- and dust-free surfaces.
- Apply in the correct joint dimensions, to be able to absorb movements well.
- For the correct joint dimensions of glazing joints, use SEAL-IT® 565 PE BAND.
- To ensure the correct joint depth and to prevent three-point adhesion of movement joints, apply SEAL-IT® 540 ROUND FOAM.
- To ensure a correct joint width of movement joints, grind joints using a suitable grinder and/or adjust the construction.
- Completely remove loose components from substrates using a suitable brush.
- Completely degrease greasy surfaces using SEAL-IT® 510 CLEANER.
- SEAL-IT® 216 SILICON-SA has a broad adhesion spectrum, but highly porous substrates are pre-treated with SEAL-IT® 520 PRIMER. Pre-treat non-porous surfaces with minimal adhesion using SEAL-IT® 525 CLEAN & BOND.
- Apply primer easily, quickly, cleanly, evenly and not excessively, using SEAL-IT® 590 PRIMER BOTTLE + KWAST.
- Once the primer is dry, apply SEAL-IT® 216 SILICON-SA as soon as possible.
- Wet finish for skin formation, using SEAL-IT® 550 FINISH and immediately afterwards smoothing using SEAL-IT® 590 FINISHING SPATULA, FINISHING JOINT QUARTET or FINISHING STICKS.



### Painting Ability

SEAL-IT® 216 SILICON-SA is not paintable. We recommend taping the joint edges using SEAL-IT® 561 MASKING-TAPE to paint silicone contamination on surrounding, yet to be painted surfaces.

### Restrictions and Recommendations

SEAL-IT® 216 SILICON-SA is unsuitable for aquarium construction and natural stone joints. In combination with PE, PP, PTFE, neoprene and bituminous substrates. Discoloration may occur in combination with chemicals, due to migration of fabrics and applications in dark spaces. Always ensure sufficient humidity, from the immediate environment/subsoil, during curing. Do not subject to mechanical, thermal or chemical stress, for complete curing. Repair with the same product. Adhesives and joint sealants function more sustainably if they are periodically maintained and repaired in time. Always test the adhesion and material compatibility in advance.

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### Cleaning

Remove fresh, uncured and/or excess material from surfaces and tools using water. Clean hands/skin using SEAL-IT® 515 ULTRA-WIPES or soapy water. Cured material can only be removed mechanically using the correct tools.

### Safety and Health

Avoid prolonged skin contact. If uncured material comes into contact with eyes, rinse immediately with water and seek medical advice. Safety data sheet available on request.

### Warranty and Liability

Connect Products B.V. guarantees that its product, within the shelf life, is in accordance with the specifications. The liability will never exceed what is determined in our general terms and conditions of sale and delivery. In no case is the seller liable for any consequential damage. The information provided is the result of our tests and experience and is of a general nature. However, it does not imply any liability. It is the responsibility of the user to determine by his own tests 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 12,5<sup>E</sup>.

VOC-EMISSIONCLASS A+.

ISEGA FOOD APPROVAL.

EMICODE EC-1 PLUS.



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