

Product

Seal-it® 212 SILICON-AT is a high-quality, professional, acetoxy-curing sealant for structural and glazing joints that is based on silicone technology and moisture-cures into a durable rubber that retains its elasticity.

Applications

- Specially designed for connecting joints in buildings.
- Sealant for aquariums, terrariums and display cases.
- Suitable for top seals in glazing systems.
- Seal façade components, such as sections, windows and door and window frames.
- Versatile silicone sealant for construction and glazing.

Properties

- Durable, retains its elasticity.
- Top quality, 100% silicone.
- Fast skin formation and curing.
- Excellent adhesion on many non-porous surfaces.
- Easy to work with, smooth application.
- Good resistance to UV, weather, water and ageing.
- Colour-fast, does not yellow.
- Acetoxy-curing CE-certified silicone system.
- High movement capacity, deformable up to 25%.
- Free of solvents and organic plasticisers.



Standard product line

| Colour | 24 x 310ml cartridge | 20 x 400ml foil packs | 12 x 600ml foil packs |
|--------|----------------------|-----------------------|-----------------------|
| | No standard stock | | |

Other colours and/or packaging on request.

Technical product data

| Base | SILICONE ACETIC ACID | | |
|---|-------------------------|-------------|----------|
| Viscosity | mm | ISO 7390 | <2 |
| Density | g/ml | | 1.02 |
| Skin formation time | min. | 23°C/55% RH | 6-8 |
| Cures in 24 hours | mm | 23°C/55% RH | 2 |
| Contraction | | | None |
| Permissible deformation | % | | 25 |
| Temperature resistance once fully cured | °C | | -50/+180 |
| Mechanical values | | 2mm film | |
| Shore A hardness | | DIN 53505 | 19 |
| Modulus at 100% | MPa | DIN 53504 | 0.35 |
| Tensile strength | MPa | DIN 53504 | 1.80 |
| Stretch at breaking point | % | DIN 53504 | 650 |

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

- Application temperature (ambient and surface) between +5°C and +40°C.
- On stable, compatible, dry, uncontaminated, grease-free and dust-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® 212 SILICON-AT 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® 212 SILICON-AT 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 PE, PP, PC, PMMA, PTFE, soft plastic, neoprene or bituminous surfaces. Not suitable for applications in direct contact with foodstuffs, edge seals on insulating glass, PVB-film on laminated glass, the silver coating on mirrors or natural stone. Not fungicidal. Discolouration may occur under certain conditions, such as due to direct contact with chemicals and/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 25LM

EN 15651-2: G 25LM

