

Product

Seal-it® 211 SILICON-HT is a heat-resistant, high-quality, acetoxy-curing sealant that is specially designed for heat-resistant gaskets and/or jointing compound, is based on silicone technology and moisture-cures into a durable rubber that retains its elasticity.

Applications

- Specially developed as a durable heat-resistant, low-compression gasket compound for machinery and engine parts.
- Heat-resistant sealant for devices and equipment, such as pumps, generators, thermostats, hotplates, stoves, oven parts, boilers, water heaters, central heating units and other heating elements.
- Heat-resistant sealant, specially designed for installation work in the construction and industrial sectors, such as seals on hot water pipes and hot air ducts/pipes, adapters/fittings, smoke and air exhaust ducts, etc.

Properties

- Heat-resistant, continuous exposure up to +300°C, short/intermittent exposure up to +350°C.
- Durable, retains elasticity, maximum movement capacity of 25%.
- Fast acetoxy-curing, solvent-free CE-certified silicone system.
- Excellent adhesion properties on many non-porous surfaces, such as metals.
- Easy to work with, smooth application.
- Good resistance to UV, weather, water, moisture and ageing.



Standard product line

Colour	24 x 310ml cartridge	12 x 200ml pressure pack
Red	SI-211-3100-310	
Black		BL-211-9200-200

Other colours and/or packaging on request.

Technical product data

Base	SILICONE ACETIC ACID		
Viscosity	mm	ISO 7390	<2
Density	g/ml		1.15 +/- 0.02
Skin formation time	min.	23°C/55% RH	15 +/- 5
Cures in 24 hours	mm	23°C/55% RH	2
Contraction			None
Permissible deformation	%		25
Temperature resistance once fully cured	°C		-60/+300
Mechanical values		2mm film	
Shore A hardness		DIN 53505	25 +/-3
Modulus at 100%	MPa	DIN 53504	<0.4
Tensile strength	MPa	DIN 53504	1.10
Stretch at breaking point	%	DIN 53504	400

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, clean, 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® 211 SILICON-HT 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® 211 SILICON-HT 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 fungicidal. Not suitable for dilation joints or applications in direct contact with foodstuffs, PVB-laminated glass, edge seals on insulating glass, silver coating on mirrors or natural stone. 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. Ensure adequate humidity from the environment/surface. 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
EN 15651-3: XS1

