



## 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.

## Packaging : 12 cartridges (310 ml)

**Colour :** red

## 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.

## 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

## Technical product data

Property	Value + unit
Viscosity (ISO 7390)	<2 mm
Density	1,17 g/ml
Huidvormingstijd (23°C en 55% R.V.)	10-15 minutes
Skin formation time (23°C and 55% R.H.)	2 mm
Contraction	nihil
Permissible deformation	25%
Temperature resistance once fully cured	from -60°C to +300°C
Mechanical values	2 mm film
Shore A hardness (DIN 53505)	29°
Modulus at 100% (DIN 53504)	0,50 MPa
Tensile strength (DIN 53504)	2,10 MPa
Stretch at breaking point (DIN 53504)	400%
Certifications	EN 15651-1: F-EXT-INT 25LM EN 15651-2: G 25LM EN 15651-3: XS1
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.

## 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.

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## Limitations and 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 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. Ensure adequate humidity from the environment/surface. 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: 2017 09 05

The producer reserves the right to make changes 2023 12 14