Technical Documentation

SEAL-IT® 217 SILICON-EPDM

Product

Seal-it® 217 SILICON-EPDM is a high-quality, professional, neutral-curing adhesive sealant that is particularly suited for EPDM material, is based on silicone technology and moisture-cures into a durable rubber that retains its elasticity.

Applications

- Specially developed to adhere EPDM material to different surfaces.
- Seal connecting and dilation joints between concrete, stone, masonry, plastic, polycarbonate, PVC, acrylic, metal, stainless steel, wood, coated and anodised aluminium, composite and glass in façade, ceiling, roof and interior and exterior wall structures.
- Adhesion of EPDM to EPDM and to other building materials.
- Seal building and façade components, such as along windows, door and window frames, sections, panels, board materials and prefab components.

Properties

- Durable, retains elasticity, maximum movement capacity of 25%.
- Excellent adhesion to most building surfaces, without primer.
- Neutral, acid-free, low-odour and non-shrink curing silicone system.
- Good resistance to discolouration, weather and ageing.
- Optimal working properties, smooth application and no stringing.
- Non-corrosive to metals.
- 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 packaging on request.

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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		-40/+120
Mechanical values		2mm film	
Shore A hardness		DIN 53505	18
Modulus at 100%	MPa	DIN 53504	0.35
Tensile strength	MPa	DIN 53504	1.15
Stretch at breaking point	%	DIN 53504	450

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® 217 SILICON-EPDM 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® 217 SILICON-EPDM 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 & recommendations

Not suitable for dilation joints or aquarium sealing. Not suitable for applications in direct contact with foodstuffs, the silver coating on mirrors or natural stone. Not suitable for PE, PP, PC, PMMA, PTFE, soft plastic, neoprene or bituminous surfaces. Not fungicidal. Ensure adequate humidity from the direct surface. 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 with plenty of water and consult a physician. Process in well ventilated spaces/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.