

Technical Documentation

SEAL-IT® 318 FACADE-PLUS

Product

SEAL-IT® 318 FACADE PLUS is a premium, highly elastic sealant based on MS-Polymer®. Specifically developed for the durable sealing of movement joints in façades and floors.

Applications

- Specifically for sealing expansion and other movement joints.
- Joint sealing in façades/façades, floors, galleries, balconies, landings, terraces, stairwells, warehouse spaces, parking garages, platforms, tunnels, road and bridge sections.
- Permanently elastic sealing of façade elements, such as between/along frames, facades, windows, panels, panel materials, prefab elements and more.
- Natural stone sealing, such as on marble, granite, slate, bluestone and other porous (absorbent) stone types, such as (aerate) concrete, sand-lime brick, masonry, brick and other porous building materials, such as untreated woods.
- Top and bead seal made of laminated and insulating glass, according to NEN 3576/ NPR 3577.
- Concrete, wood, plastic and metal parts have a long-lasting and highly elastic seal with each other.
- Repair of damaged MS-Polymer® joints, in building and façade constructions.

Properties

- Durable permanent elastic, maximum movement capacity 25%.
- Excellent adhesion, without primer on practically all and even damp surfaces.
- User-friendly and versatile for use in building and glazing constructions.
- Can be painted over with water-based paint systems.
- Meets the requirements for burglar-resistant glass, in accordance with the Police Quality Mark for Safe Living.
- Isocyanate, solvent, silicone-free.
- Colourfast, UV, weather, water, moisture and ageing resistance.
- Non-corrosive to metals.
- Does not stain and/or bleed on porous stones and/or other materials.
- Odourless, adhesive, blister and shrink free curing, CE certified Hybrid System

Standard assortment

Color	12 x 600ml foil pack
Anthracite RAL 7016	SI-318-7016-600
Concrete grey	SI-318-7102-600
White	SI-318-9100-600

Other colours and/or packaging on request.



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Technical product data

PROPERTY	STANDARD	SPECIFICATION
Base		MS-POLYMER® 1-COMPONENT
Viscosity	ISO 7390	<2 mm
Density	ISO 1183	1.30 g/ml
Skin formation time	+23°C/55% RV	30 minutes
Curing after 24 hours	+23°C/55% RH	2 mm
Permissible deformation	EN15651-1: F-EXT-INT-CC-25	25%
Temperature resistance after full curing		-40/+100°C
Mechanical values		2 mm film
Shore A hardness	DIN 53505	37
Modulus 100%	DIN 53504	0.4 MPa
Tensile strength	DIN 53504	0.95 MPa
Elongation at breakingpoint	DIN 53504	500%
Shrinkage		None

Shelf life

Store in unopened original packaging, store in a cool and dry place, between +5°C and +30°C. Can be kept for up to 15 months after production date.

Application conditions

- Processing temperature (ambient and substrate) between min. +5°C and max. +40°C.
- On clean, clean, dry, load bearing, compatible, dust- and grease-free surfaces.
- Ensuring the right joint dimensions to be able to absorb movements properly.
- Remove loose components from the surface using a suitable brush.
- Degrease surfaces thoroughly using Seal-it® 510 CLEANER.
- Seal-it® 318 FACADE PLUS has a broad adhesion spectrum, but highly porous surfaces should be pre-treated with Seal-it® 520 PRIMER and non-porous surfaces with minimal adhesion should be pre-treated with Seal-it® 525 Clean & Bond.
- Smooth and tight finish, using Seal-it® 550 FINISH, for skin formation.

Paintability

Seal-it® 318 FACADE PLUS is excellent to paint over with emulsion paints, but synthetic paint systems can slow down in drying. When overpainting (not necessary), we recommend that you lightly sand the Seal-it® 318 FACADE-PLUS and adjacent parts with Scotch-Brite® within a few days of application, then degrease well with Seal-it® 510 CLEANER and then paint over immediately.



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Limitations and recommendations

SEAL-IT® 318 FACADE-PLUS is unsuitable for continuous water loading, aquarium construction, and sanitary joints, in combination with PE, PP, PTFE, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates and in direct contact with food, the edge sealing of insulating glass, PVB foil laminated glass and mirror coatings. Discolouration possible in combination with chemicals, due to migration of substances and applications in dark rooms. Always ensure that there is sufficient humidity from the immediate environment/substrate during curing. Do not load mechanically, thermally and/or chemically, for complete curing. Repair with the same product. Adhesive and joint sealants function more sustainably if they are periodically maintained and repaired in a timely manner. Always test adhesion and material compatibility beforehand.

Cleaning

Fresh, uncured and/or excess material removal from surfaces and tools using SEAL-IT® 510 CLEANER. Cleaning hands/skin using SEAL-IT® 515 ULTRA WIPES. Cured material can only be removed mechanically, with the right tools.

Health and safety

Avoid prolonged skin contact. In case of contact with uncured material in the eyes, rinse them immediately with water and consult a doctor. Product safety data sheet is available upon request.

Warranty and Liability

Connect Products B.V. guarantees that its product is in accordance with the specifications within the shelf life. The liability will never exceed what is stipulated in our general terms and conditions of sale and delivery. Under no circumstances shall the Seller be liable for any consequential damages. The information provided is the result of our testing and experience and is of a general nature. However, it does not imply any liability. It is the user's responsibility to determine whether the product is suitable for the application through their own testing.

Certifications

EN 15651-1: F-EXT-INT-CC-25HM
VOC emission class A+.



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