

Technical Documentation

SEAL-IT® 351 MS SUPER-ALL

Product

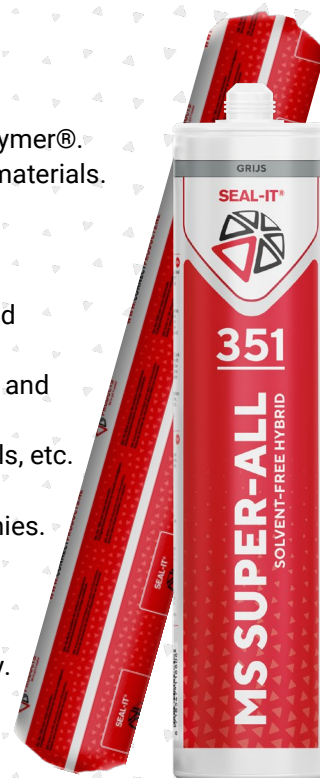
SEAL-IT® 351 MS SUPER-ALL is a high-quality, all-round adhesive sealant based on MS-Polymer®. Specifically for the versatile indoor and outdoor sealing and bonding of almost all building materials.

Applications

- Specifically as a universal adhesive sealant for almost all types of building materials and substrates.
- Sealing connection joints along building and façade elements, such as frames, facades and windows.
- Bonding skirting boards, slats, profiles, strips, stones, tiles, frames, beams, plates, panels, etc.
- Sealing and bonding in food areas and cold stores.
- Sealing bridge and flashing joints between concrete slabs in floors, galleries and balconies.
- Sealing rainwater drainage systems, such as around drainage channels and gutters.
- Sealing and bonding in bodywork, trailer, ship, container and air duct construction.
- Structural bonding in vibrating structures of buildings, vehicles and devices.
- Repair of damaged MS-Polymer® joints and adhesive joints in the construction industry.

Properties

- Low odor, blister and shrink-free curing.
- Durable permanently elastic.
- Adheres excellently without primer, on almost all and even damp surfaces.
- User-friendly and versatile.
- Suitable for gluing or sealing almost everything indoors and outdoors.
- Fast force build-up, high mechanical resistance, final strength and movement capacity.
- Can be painted over with dispersion-based paint and varnish systems.
- Isocyanate, solvent and silicone free.
- Perfectly sandable and grindable after complete curing.
- Excellent absorption of acoustic and mechanical vibrations/vibrations.
- Low emission; EMICODE EC-1 PLUS, BREEAM, EUROFINDS LEED® and VOC A+ certified.
- Durable UV, weather, water, moisture and aging resistant.



Standard Range*

Colour	12 x 290ml cartridge (blank)	12 x 600ml foil (blank)
Grey	BL-351-7100-290	
White	BL-351-9100-290	
Black	BL-351-9200-290	BL-351-9200-600

Other colours and/or packaging on request.

** Standard available in blank cartridges and foil. On request, available per pallet in Seal-It packaging.*

Connect Products B.V.

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Technical Product Data

PROPERTY	STANDARD	SPECIFICATION
Base		MS-POLYMER® 1-COMPONENT
Viscosity	ISO 7390	<2 mm
Density	ISO 1183	1,53 g/ml
Skin formation time	+23°C/50% RV	10 minutes
Hardening after 24 hours	+23°C/50% RV	2-3 mm
Permissible deformation		25%
Temperature resistance after complete curing		-40/+100°C
Mechanical values		2 mm film
Shore A hardness	DIN 53505	60
Modulus 100%	DIN 53504	1,35 MPa
Tensile strength	DIN 53504	2,20 MPa
Elongation at break	DIN 53504	300%
Shrinkage		None



Shelf Life

In unopened original packaging, store in a cool and dry place, between +5°C and +25°C.
Shelf life of up to 18 months after production date.

Application Conditions

- Processing temperature (environment and substrate) between min. +5°C and max. +40°C.
- On load-bearing, compatible, clean, grease- and dust-free surfaces.
- Apply in the correct joint dimensions, to be able to absorb movements well.
- Completely remove loose components from substrates using a suitable brush.
- Completely degrease greasy surfaces using SEAL-IT® 510 CLEANER.
- SEAL-IT® 351 MS SUPER-ALL has a broad adhesion spectrum, but highly porous substrates are pre-treated with SEAL-IT® 520 PRIMER. Pre-treat non-porous surfaces with minimal adhesion with SEAL-IT® 525 CLEAN & BOND.
- Apply primer easily, quickly, cleanly, evenly and not excessively using SEAL-IT® 590 PRIMER BOTTLE + KWAIST, under the correct temperature and substrate conditions (see TDS).
- As soon as the primer is dry, apply SEAL-IT® 351 MS SUPER-ALL as soon as possible.
- When used as an adhesive, apply material vertically (ventilating), in grooves at a distance of min. 10cm and max. 20cm. Do not apply in dots! It is advisable to use double-sided adhesive tape SEAL-IT® 560 PANELTAPE, to support the adhesive bond during the curing process and to obtain the correct adhesive thickness.
- Wet finish for skin formation using SEAL-IT® 550 FINISH and smooth immediately afterwards using SEAL-IT® 590 FINISHING SPATULA, FINISHING JOINT Quartet or FINISHING STICKS.

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Painting Ability

SEAL-IT® 351 MS SUPER-ALL can be painted over with emulsion paint systems after sufficient skin formation. However, synthetic paint systems can slow down in drying. If SEAL-IT® 351 MS SUPER-ALL is repainted, the adhesive sealant and adjacent parts are lightly sanded using Scotch-Brite® for optimal results. Then completely degrease everything using SEAL-IT® 510 CLEANER and immediately paint over. From a technical point of view, it is better not to paint over elastic deformable adhesive sealant, in addition, SEAL-IT® 351MS SUPER-ALL is permanently ageing, UV and weather resistant. However, if you do paint over the adhesive sealant for aesthetic reasons, always do this professionally in combination with a suitable durable high-quality paint system, which can sufficiently absorb movements from the elastic sealant substrate to reduce cracking in the applied paint layer. When wet finishing SEAL-IT® 351 MS SUPER-ALL, always apply the SEAL-IT® 550 FINISH in the right amount and mix. Excessive use and an incorrect mixing ratio will cause soap marks on the sealant surface and adjacent parts. This creates an increase in surface tension, as a result of which the paint/varnish applied to it will not flow and adhere properly. Always dry the sealant surface completely with a clean, grease-free, dry, lint-free and absorbent cloth. SEAL-IT® 351 MS SUPER-ALL is best repainted within a few days of application, under the correct ambient and substrate temperatures (see TDS paint manufacturer). Always carry out a paint compatibility test beforehand.



Restrictions and Recommendations

SEAL-IT® 351 MS SUPER-ALL is unsuitable for constant water loading, aquarium construction, sanitary and expansion joints. Not applicable in combination with PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates and in direct contact with laminated glass. Discolouration may occur in combination with chemicals, due to migration of substances and when used in dark rooms. Always ensure sufficient humidity from the immediate environment/substrate during curing. Do not mechanically, thermally and chemically load, for complete curing. Repair with the same product. Adhesive and joint sealants function more sustainably if periodic maintenance and timely repair are carried out. Always test adhesion and material compatibility beforehand.

Cleaning

Remove fresh, uncured and/or excess material from surfaces and tools using water. Clean hands/skin using SEAL-IT® 515 ULTRA-WIPES or soapy water. Cured material can only be removed mechanically using the correct tools.

Safety and Health

Avoid prolonged skin contact. If uncured material comes into contact with eyes, rinse immediately with water and seek medical advice. Safety data sheet available on request.

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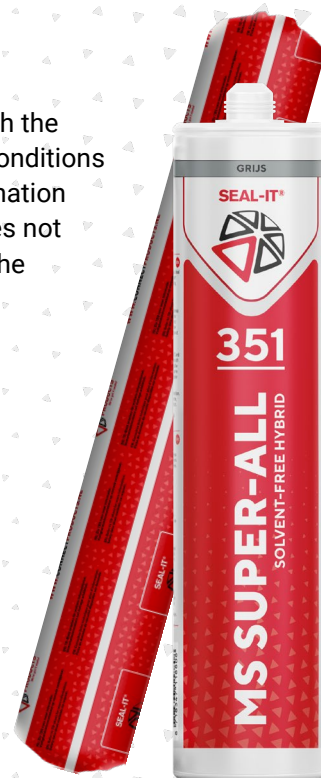
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Warranty and Liability

Connect Products B.V. guarantees that its product, within the shelf life, is in accordance with the specifications. The liability will never exceed what is determined in our general terms and conditions of sale and delivery. In no case is the seller liable for any consequential damage. The information provided is the result of our tests and experience and is of a general nature. However, it does not imply any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

Certifications

EN 15651-1: F-INT.
EUROFINS LEED®.
BREEAM.
VOC-emissionclass A+.
EMICODE EC-1 PLUS.



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