

Technical Documentation

SEAL-IT® 331 HYBRI-COAT

Product

SEAL-IT® 331 HYBRI-COAT is a high-quality, elastic sealing coating based on MS-Polymer®. Specifically for airtight and watertight connections between building and façade elements.

Applications

- Specifically for airtight and watertight sealing of connections between building elements.
- Airtight and watertight sealing of surfaces in building constructions.
- Perfectly suitable for energy neutral construction (passive house) of homes and buildings.
- Versatile for indoor and outdoor applications.
- Ideal for sealing construction joints, seams and cracks, in the shell construction phase.
- Applying a waterproof membrane to walls and floors, in sanitary areas and wet rooms, before tiling is applied.

Properties

- Low odor, blister and shrink-free curing.
- Durable permanently elastic.
- Excellent adhesion without primer on practically all and even damp surfaces.
- High thermal insulation value; Seal water and air leaks and reduce energy costs.
- Perfectly processable, smooth to spray and smooth using a brush and/or roller.
- Versatile indoor and outdoor use; insulates, reduces, protects, seals, fills and glues.
- High mechanical strength.
- Can be painted over with dispersion-based paint and varnish systems.
- Isocyanate, solvent and silicone free.
- Low emission; EMICODE EC-1 PLUS certified.
- Durable UV, weather, water, moisture and aging resistant.

Standard Assortment

Colour	12 x 600ml foil
White	SI-331-9100-600

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	1,46 g/ml
Skin formation time	+23°C/50% RV	16 minutes
Hardening after 24 hours	+23°C/50% RV	2 mm
Temperature resistance once fully cured		-40/+90°C
Mechanical values		2 mm film
Shore A hardness	DIN 53505	30
Modulus 100%	DIN 53504	0,45 MPa
Tensile strength	DIN 53504	1,00 MPa
Elongation at break	DIN 53504	450%
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 15 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.
- Completely remove loose components from substrates using a suitable brush.
- Completely degrease greasy surfaces using SEAL-IT® 510 CLEANER.
- SEAL-IT® 331 HYBRI-COAT 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 using 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® 331 HYBRI-COAT as soon as possible.
- Can be finished wet (often N/A) for skin formation, using SEAL-IT® 550 FINISH and smoothing immediately afterwards, using SEAL-IT® 590 FINISHING SPATULA or FINISHING STICKS.

Paintability

SEAL-IT® 331 HYBRI-COAT can be painted over with emulsion paint systems after sufficient skin formation. However, synthetic paint systems can slow down in drying. If SEAL-IT® 331 HYBRI-COAT is to be painted over, always carry this out 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. Always apply paint systems professionally at the correct ambient and substrate temperatures (see TDS paint manufacturer). Always carry out a paint compatibility test beforehand.



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Limitations and Recommendations

SEAL-IT® 331 HYBRI-COAT is unsuitable for constant water loading, joint sealing and in combination with PE, PP, PTFE, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates and in direct contact with natural stone, foodstuffs, mirror coatings and chlorine baths. Discolouration is possible in combination with chemicals, due to migration of substances and when used in dark rooms. Always ensure sufficient humidity from the immediate environment/subsoil during curing. Do not mechanically, thermally and chemically load, for complete curing. Repair with the same product. 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.

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

SKZ



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