

Technical Documentation

SEAL-IT® 230 TOPFLEX-P

Product

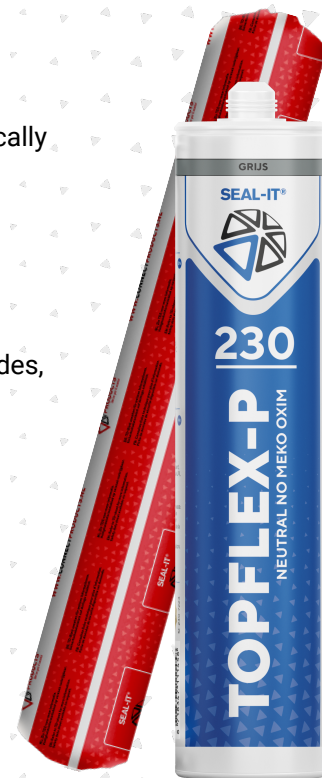
SEAL-IT® 230 TOPFLEX-P is a high-quality, paintable sealant on polysiloxane base. Specifically for sealing construction and glazing joints.

Applications

- Specifically for top and bead sealing when installing single, insulating and safety glass.
- Sealing connections between many building materials, in construction and industry.
- Sealing connection joints between building and façade elements, such as frames, facades, windows.
- Repair of damaged silicone joints in construction, glazing and facades.

Properties

- Low odor, neutrally curing.
- Durable permanently elastic.
- Excellent processing and adhesion properties.
- Limited paintability with dispersion and synthetic paint and varnish systems.
- Contains no organic plasticizers and solvents.
- In accordance with the Police Quality Mark Safe Living (PKVW).
- Low emission, VOC A+ certified.
- Colour, UV, weather, water, moisture and ageing resistant.



Standard Range

Colour	12 x 310ml cartridge	12 x 600ml foil
Anthracite RAL 7016	SI-230-7016-310	SI-230-7016-600
Grey	SI-230-7223-310	SI-230-7223-600
Brown	SI-230-8200-310	SI-230-8200-600
Cream white RAL 9001	SI-230-9001-310	SI-230-9001-600
White	SI-230-9100-310	SI-230-9100-600
Black	SI-230-9200-310	SI-230-9200-600

Other colours and/or packaging on request.

Connect Products B.V.

Duurzaamheidsring 220
4231 EX Meerkerk
The Netherlands

info@connectproducts.nl
+31 (0)183 731 400
www.connectproducts.nl



Technical Product Data

PROPERTY	STANDARD	SPECIFICATION
Base		SILICONE NO- MEKO OXIM 1-COMPONENT
Viscosity	ISO 7390	<2 mm
Density	ISO 1183	1,14-1,30 g/ml
Skin formation time	+23°C/50% RV	8-15 minutes
Cure after 24 hours	+23°C/50% RV	2,5 mm
Permissible deformation		20%
Temperature resistance once fully cured		-40/+120°C
Mechanical values		2 mm film
Shore A hardness	DIN 53505	30
Modulus 100%	DIN 53504	0,60 MPa
Tensile strength	DIN 53504	1,50 MPa
Stretch at breaking point	DIN 53504	350%
Shrinkage		None



Shelf Life

Store in unopened original packaging in a cool and dry place, between +5°C and +25°C.
Shelf life: maximum 15 months after production date.

Application Conditions

- Processing temperature (environment and substrate) between min. +5°C and max. +40°C.
- On load-bearing, compatible, dry, clean, grease- and dust-free surfaces.
- Apply in the correct joint dimensions, to be able to absorb movements well.
- For correct joint dimensions of glazing joints, use SEAL-IT® 565 PE BAND.
- To ensure the correct joint depth and to prevent three-point adhesion of movement joints, apply SEAL-IT® 540 ROUND FOAM.
- To ensure a correct joint width of movement joints, grind joints using a suitable grinder and/or adjust the construction.
- Completely remove loose components from substrates using a suitable brush.
- Completely degrease greasy surfaces using SEAL-IT® 510 CLEANER.
- SEAL-IT® 230 TOPFLEX-P has a broad adhesion spectrum, but pre-treat highly porous substrates 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 + BRUSH.
- As soon as the primer is dry, apply SEAL-IT® 230 TOPFLEX-P as soon as possible.
- Is wet finishable for skin formation, using SEAL-IT® 550 FINISH and smoothing using SEAL-IT® 590 FINISHING SPATULA, FINISHING JOINT QUARTET or FINISHING STICKS.

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Painting Ability

SEAL-IT® 230 TOPFLEX-P can be overpainted to a limited extent with synthetic and dispersion paint systems after sufficient skin formation. If SEAL-IT® 230 TOPFLEX-P is to be overpainted, first lightly sand the sealant and adjacent surfaces using Scotch-Brite® for optimal results. Subsequently, degrease everything completely using SEAL-IT® 510 CLEANER and overpaint immediately.

From a technical perspective, it is better not to overpaint elastically deformable sealants; moreover, SEAL-IT® 230 TOPFLEX-P is durably resistant to aging, UV radiation, and weathering. However, if the sealant is overpainted for aesthetic reasons, this must always be done professionally in combination with a suitable, durable, high-quality paint system that can adequately absorb movements from the elastic sealant substrate to reduce cracking in the applied paint layer. When wet finishing SEAL-IT® 230 TOPFLEX-P, always apply SEAL-IT® 550 FINISH in the correct amount and mix. Excessive use and an incorrect mixing ratio cause soap residue on the sealant surface and adjacent areas, resulting in an increase in surface tension, which will prevent the paint/lacquer applied to it from flowing and/or adhering properly. Always dry the sealant surface completely using a clean, grease-free, dry, lint-free, and absorbent cloth. SEAL-IT® 230 TOPFLEX-P is best overpainted within a few days after application, at the correct ambient and substrate temperatures (see paint manufacturer's TDS). Always perform a paint compatibility test beforehand.

Restrictions and Recommendations

SEAL-IT® 230 TOPFLEX-P is unsuitable for aquarium construction, expansion joints, sanitary joints, and natural stone joints. In combination with PE, PP, PC, PMMA, PTFE, soft plastics, neoprene, and bituminous substrates, and in direct contact with foodstuffs and silver coatings on mirrors. Edge seals of insulating glass may change in composition without manufacturer's notification. Consequently, compatibility between the glazing sealant and the edge seal of the insulating glass cannot be guaranteed. May discolor in contact with chemicals, due to substance migration, and applications in dark rooms. Always ensure sufficient humidity from the immediate environment/substrate during curing. Do not subject to mechanical, thermal, or chemical stress before complete curing. Repair with the same product. Sealant joints function more durably if periodic maintenance and timely repairs are performed on them. 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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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-EXT-INT 20HM.
EN 15651-2: G-20HM.
VOC-emissieclass A+.



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