

Technical Documentation

SEAL-IT® 140 ACRYL-FR

Product

SEAL-IT® 140 ACRYL-FR is a high-quality, fire-resistant joint sealant based on acrylic dispersion. Specifically for sealing linear connection joints, cable ducts and penetrations indoors and outdoors.

Applications

- Specifically for sealing linear connection joints between concrete, masonry and plasterwork, sand-lime brick, fibre cement, plasterboard, clear and anodised aluminium, wood and hard PVC.
- Fire-resistant sealing of various pipe/tube penetrations and cable ducts in walls and floors.
- Excellently suited for fire-resistant bonding of expanded polystyrene.
- Fire-resistant filling of (shrinkage) seams, cracks and tears in walls, facades, ceilings and partitions.

Properties

- Durable permanent plasto-elastic.
- High fire resistance, up to more than 4 hours, in accordance with EN1366-4.
- Excellent adhesion without primer on most, even damp and porous surfaces.
- Excellent smoke, air and acoustic sealing properties.
- Can be universally painted over with dispersion and synthetic paints and lacquers.
- Versatile and user-friendly for sealing, filling and repairing indoors and outdoors.
- Non-corrosive in combination with metals.
- Low-emission, **VOC A+** and **EC-1 PLUS** certified.
- Durably colourfast, UV, weather and ageing resistant.

Standaard Range

Colour	12 x 310ml tube
White	SI-140-9100-310

Other colours and/or packaging on request.



Connect Products B.V.

Duurzaamheidsring 220
4231 EX Meerkkerk
The Netherlands

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



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Technical Product Data

PROPERTY	STANDARD	SPECIFICATION
Basis		ACRYLATE DISPERSION 1- COMPONENT
Standarity	ISO 7390	<3mm
Density	DIN EN ISO 2811-1	1,58 g/ml
Skin formation time	23°C / 50% RV	10-15 minutes
Dry matter content		88%
Permissible deformation		15%
Temperature resistance after complete curing		-25 / +80°C
Mechanical values		2 mm film
Shore A hardness	DIN 53505	20
Modulus 100%	DIN 53504	0,35 MPa
Elongation at break	DIN 53504	350%



Shelf Life

Store in unopened original packaging, cool and dry between +5°C and +35°C. Shelf life is maximum 18 months after production date. Protect SEAL-IT® 140 ACRYL-FR from frost.

Application Conditions

- Processing temperature (environment and substrate) between min. +5°C and max. +35°C.
- Outdoor application is only possible if no precipitation falls within 5 hours of application.
- On load-bearing, tolerant, clean, grease- and dust-free substrates. Porous, absorbent or open substrates do not have to be completely dry. Ensure correct joint dimensions to properly absorb movements.
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- Remove loose components from surfaces using a suitable brush.
- Degrease surfaces thoroughly using SEAL-IT® 510 CLEANER.
- Very porous and highly absorbent surfaces, such as gypsum blocks, (lime sand) brick, (aerated) concrete and masonry must be pretreated. For this purpose, use a homogeneously prepared mixture of one part SEAL-IT® 140 ACRYL-FR and two parts water. Apply evenly using a brush.
- Finish wet and smooth before skin formation using a moistened SEAL-IT® 590 FINISHING SPATULA, FINISHING JOINT QUARTET or FINISHING WOODS.

Painting Ability

SEAL-IT® 140 ACRYL-FR is excellently universally paintable with both synthetic and dispersion paint systems. It is best to only paint over SEAL-IT® 140 ACRYL-FR after it has fully cured due to material shrinkage. If you paint over it earlier, the applied paint layer may later start to crack/crack (crackle). The paint layer may also crack in combination with highly filled dispersion paints. Always perform a paint compatibility test beforehand.

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Restrictions and Recommendations

Not suitable for long-term and permanent water exposure, underground application, sanitary and natural stone joints, in combination with PE, PP, PC, PTFE, PMMA, soft plastics, neoprene and bituminous substrates. SEAL-IT® 140 ACRYL-FR shrinks slightly during curing. Outdoor applications are only possible if no precipitation falls during the first 5 hours after SEAL-IT® 140 ACRYL-FR has been applied. May discolour due to contact with chemicals and migration of substances. Always perform an adhesion and material compatibility test in advance.

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

EN 1366-4 conform BS 476 deel 20.
EN 15651-1: F-EXT-INT 12.5 P.
VOC-EMISSION CLASS A+.
EMICODE EC1 PLUS.



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