

Technical Documentation

SEAL-IT® 140 ACRYL-FR

Description

SEAL-IT® 140 ACRYL-FR is a high-quality, fire-resistant joint filling compound. Specially designed for sealing linear connection joints, cable ducts and penetrations, both indoors and outdoors. Based on acrylic dispersion technology which cures through water evaporation from the sealant mass into a durable rubber that retains its plasticity and elasticity.

Applications

- Specifically suitable for sealing linear connection joints, between concrete, masonry and plaster, sand-lime brick, fibre cement, plasterboard, untreated and anodised aluminium, wood and hard PVC.
- Fireproof sealing of various tube/pipe penetrations and cable ducts in walls and floors.
- Ideal for fireproof bonding of expanded polystyrene.
- Fireproof filling of splits, seams, cracks and fissures in inner and outer walls, façades and ceilings.

Properties

- Durable and retains its plasticity and elasticity.
- High level of fire-resistance, up to more than 4 hours.
- Excellent adhesion without primer on most surfaces, including damp and porous surfaces.
- Excellent smoke, air and acoustic sealing properties.
- Universally paintable using dispersion and synthetic paint and lacquer systems.
- Versatile and user-friendly, for sealing, filling and repairing both indoors and outdoors.
- Non-corrosive to metals.
- Very low emission, certified VOC emission class A+.
- Lasting resistance to discolouration, UV, weather and ageing.



Standard product line

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

Other colours and/or packaging on request.

Technical product data

Base	1K ACRYLIC DISPERSION		
Viscosity	mm	ISO 7390	<3
Density	g/ml	DIN EN ISO 2811-1	1,58
Skin formation time	min.	23°C / 50% RV	10-15
Dry matter content	%		88
Permissible deformation	%		15
Temperature resistance once fully cured	°C		-25 / +80
Mechanical values	2 mm film		

Connect Products B.V.

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Shore A hardness		DIN 53505	20
Modulus at 100%	MPa	DIN 53504	0,35
Stretch at breaking point	%	DIN 53504	350

Shelf life

In unopened original packaging, stored in a cool, dry place between +5°C and +35°C, the product will last up to 18 months after the production date. Protect SEAL-IT® 140 ACRYL-FR against frost.

Application conditions

- Processing temperature (ambient and surface) between min. +5°C and max. +35°C.
- Use on load-bearing, tolerant, clean surfaces free of grease and dust. Porous/absorbent/open surfaces need not be completely dry.
- Ensure proper joint dimensions, for proper absorption of any movements.
- Use a suitable brush to remove any loose particles from the surface.
- Degrease the surface thoroughly using SEAL-IT® 510 CLEANER.
- Use a brush to prime highly porous/highly absorbent surfaces, such as gypsum blocks, sandstone, sand-lime brick, aerated and non-aerated concrete and masonry, evenly with 1 part SEAL-IT® 140 ACRYL-FR and 2 parts water.
- Use water to apply a smooth and tight finish, before skin formation.

Paintability

SEAL-IT® 140 ACRYL-FR has excellent universal paintability, using both synthetic and dispersion paint systems. For best results, only paint SEAL-IT® 140 ACRYL-FR after it has fully cured due to material contraction. Painting before full curing may result in cracks or splits (crazing) in the paint layer later on. Paint crazing may also occur when using highly filled dispersion paints. Always carry out a paint compatibility test beforehand.

Limitations & recommendations

Not suitable for long-term or permanent water loads. Not suitable for underground, sanitary or natural stone joints or for PE, PP, PC, PTFE, PMMA, non-rigid plastics, neoprene or bituminous surfaces. SEAL-IT® 140 ACRYL-FR contracts slightly when curing. Outdoor applications are only possible if there is no precipitation within the first 5 hours after applying SEAL-IT® 140 ACRYL-FR. Discolouration may occur due to contact with chemicals and migration of substances. Always carry out an adhesion and material compatibility test beforehand.

Cleaning

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

Health & safety

Avoid prolonged contact with skin. If uncured material gets in your eyes, rinse immediately with water and consult a doctor. Product safety sheet available on request.



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Warranty & liability

Connect Products BV guarantees that within the shelf life, its product meets the specifications. Liability will never exceed that which is laid down in our terms of sale and delivery. Under no circumstances shall the seller be liable for any consequential damages. The information provided is based on our testing and experience and is all of a general nature. However, this does not imply liability in any way. It is the user's responsibility to carry out their own testing in order to determine whether the product is suitable for application.

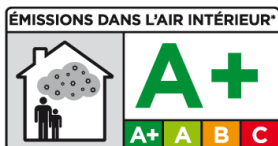
Certifications

EN 1366-4 in accordance with BS 476 section 20.

EN 15651-1: F-EXT-INT 12.5 P.

VOC emission class A+.

EMICODE EC1 PLUS.



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