

Technical Documentation

SEAL-IT® 110 UNI-ACRYL

Product

SEAL-IT® 110 UNI-ACRYL is a high-quality, universally paintable sealing, filling and repair kit based on acrylic dispersion. Specifically developed for paintable seals.

Applications

- Sealing connection joints between skirting boards, stairs, window sills, walls and ceilings.
- Sealing shrinkage (seams), cracks, gaps and tears in walls, ceilings and partitions.
- Filling and repairing drill, screw and nail holes in walls, ceilings and partitions.
- Sealing perimeter joints along facades, frames, sockets and pipe penetrations.
- Sealing connections in air ducts, bodywork, trailer, ship and container construction.
- Versatile indoor and outdoor applications, in combination with most substrates/building materials.
- Ideal for applications in new construction, renovation and maintenance projects.

Properties

- Hardens through water evaporation.
- Durable permanent plasto-elastic.
- Excellent adhesion without primer on most, even damp and porous surfaces.
- Can be quickly and universally painted over with dispersion and synthetic paints and lacquers.
- User-friendly sealing, filling and repairing.
- Non-corrosive in combination with metals.
- Very low emissions, **VOC A+** and **EC-1 PLUS** certified.
- Durably colourfast, UV, weather and ageing resistant.

Standard Range

Colour	12 x 310ml tube
White	SI-110-9100-310

Other colours and/or packaging on request.



Connect Products B.V.

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Technical Product Data

PROPERTY	STANDARD	SPECIFICATION
Basis		ACRYLATE DISPERSION 1- COMPONENT
Standardity	ISO 7390	<3 mm
Density	ISO 1183	1,67 g/ml
Skin formation time	+23°C/50% RV	10 minutes
Dry matter content		85%
Permissible deformation	EN- 15651-1: F-EXT-INT	7,5%
Temperature resistance after complete curing		-20/+75°C
Mechanical values		2 mm film
Shore A hardness	DIN 53505	30
Modulus 100%	DIN 53504	0,35 MPa
Elongation at break	DIN 53504	240%



Shelf Life

Store in unopened original packaging, cool and dry, between +5°C and +25°C.
Frost-resistant up to -15°C, during transport. Shelf life: maximum 18 months after production date.

Application Conditions

- Processing temperature (environment and substrate) between min. +5°C and max. +40°C.
- Apply to load-bearing, clean, grease- and dust-free surfaces. Porous, absorbent or open surfaces do not have to be completely dry.
- Remove loose components from surfaces using a suitable brush.
- Degrease greasy surfaces using SEAL-IT® 510 CLEANER.
- Very porous and highly absorbent substrates, such as gypsum blocks, (lime sand) brick, (aerated) concrete and masonry must be pretreated. For this purpose, a homogeneously prepared mixture of one part SEAL-IT® 110 UNI-ACRYL and two parts water can be used. Apply evenly using a brush.
- Apply sealant in the correct joint dimensions to properly absorb movements.
- Finish wet and smooth before skin formation using a moistened SEAL-IT® 590 FINISHING SPATULA, FINISHING JOINT QUARTET or FINISHING WOODS.

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Painting Ability

SEAL-IT® 110 UNI-ACRYL is excellently universally paintable with dispersion and synthetic paints and lacquers. SEAL-IT® 110 UNI-ACRYL is best painted over after complete curing, due to material shrinkage. If painted over earlier, the applied paint layer can crack/crack more quickly. Cracking is also more likely to occur in combination with highly filled dispersion paints. Joints that are subjected to more movement/deformation than the paint system can absorb, are a bad combination. That is why we recommend always using a suitable durable high-quality paint system, which can sufficiently absorb movements from the elastic substrate to reduce cracking in the paint layer. Always apply paint systems professionally and at the correct ambient and substrate temperature (see TDS paint manufacturer). Always perform a paint compatibility test beforehand.

Restrictions and Recommendations

SEAL-IT® 110 UNI-ACRYL is not suitable for long-term and permanent water exposure, applications underground, sanitary, glazing, natural stone and expansion joints and in combination with PE, PP, PC, PTFE, PMMA, soft plastics, neoprene and bituminous substrates. Product shrinks slightly during curing. Outdoor applications are possible, provided that no precipitation falls within 5 hours after application. May discolour in combination with chemicals and due to migration of substances. Do not mechanically, thermally or chemically load, for complete curing. Repair with the same product. Sealant joints function more sustainably if periodic maintenance and timely repairs are carried out. Always test the adhesion and material compatibility 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.



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Certifications

EN 15651-1: F-INT.
VOC-emission class A+.
EMICODE EC-1 PLUS.



Disclaimer

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