Lacquer System

Description and uses

The Acrylicon Lacquer System is a fully reactive, low viscosity resin based system that cures rapidly to produce a hard and abrasion resistant surface with good resistance to a variety of chemicals.

Designed to be used as a sealer on concrete and masonry floors to prevent dusting, abrasion and scratching. It can further protect the substrate against ingress of oil, dirt and grease.

Specifications

Product	Acrylicon Lacquer System - Preparatory work and application in accordance with suppliers instructions.
Finish	Satin
Thickness	0.5 - 1.5 mm
Colour	Transparent or pigmented, consult the AcryliCon Solid colour chart for details.
Supplier	AcryliCon Polymers GmbH (Germany).

Key features and benefits

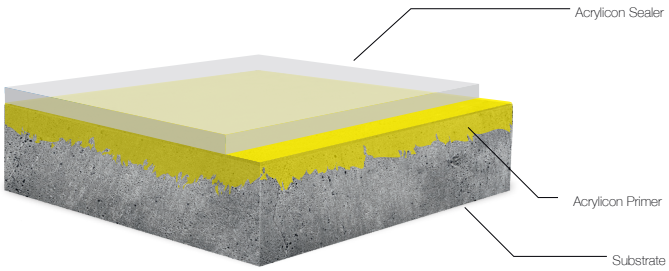
- Hard wearing - exceptional resistance to chemicals, abrasion, impact and fire.
- 1-2 hours cure time - rapid installation and minimum downtime.
- Reactive and rapid cure over a wide range of temperatures.
- Low emissions - our products are solvent-free and contain very low VOC's.
- Fast track application all year round.

To find your nearest AcryliCon office please visit our website:

www.acrylicon.com

AcryliCon®
Quality Resin Solutions

System



Technical Information

Water Permeability DIN / EN 1062-3:2008	<0.001 kg/(m^2.h$^{0.5}$)
Tensile Adhesion Strength DIN / EN 1542:1999	Concrete: >2.0 MPa
Temperature Resistance	Tolerant of sustained temperatures up to 60°C/140°F
Abrasion Resistance EN ISO 5470-1 (Taber)	166 mg (average mass loss)
Shore D DIN EN 48-4, ISO 868	85
Resin Viscosity @ 20°C DIN 53015	60 - 80 mPa.s
Resin Density @ 20°C DIN 51757	0.95 - 0,995 g/cm^3

Cleaning and Maintenace

Clean regularly using a mechanical Scrubber/Dryer. Cylindrical machines with built in a vacuum are best suited in combination with a neutral degreaser. Contact your AcryliCon office for advice.

Cure Time

Acrylicon Lacquer is a fast cure system and can be loaded or trafficked within 2 hours of installing the final coat.

Properties and Application

Acrylicon Sealer resins are transparent, solvent-free, medium viscosity and non-toxic when cured. The curing time is about 1 hour at 20° C/68°F (ambient). The lowest application temperature (substrate and material) is 0°C/32°F. AcryliCon can sometimes provide solutions for installations at temperatures down to -25°C/-13°F.

Substrate

The concrete strength must not be less than 22.5N/mm^2 (3250psi). Cores may be required for laboratory testing if any doubt exists. The substrate must be solid, free of dirt, oil, dust and other contaminants that would prevent bonding. It is necessary to protect the substrate from rising moisture and ground water pressure. AcryliCon systems can be applied onto 28 day old concrete at a Relative Humidity of up to 95%. Should there be any doubt about the moisture in the concrete, an insulated hygrometer is recommended for testing the vapour leaving the substrate. In situations requiring rapid installation, AcryliCon can provide fast cure systems as alternatives to traditional concrete. AcryliCon systems can also bond to other substates. For further advice please contact your nearest AcryliCon office.

The technical properties of the AcryliCon system are evaluated to EN or ISO standards and the results are average values, delivered under proper installation procedures and recommended conditions.

Limitations

Acrylicon Lacquer System should not be applied over movement joints.

Disclaimer

This information and all further technical advice is based on intensive research and many years experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. We reserve the right to make technical alterations during the course of further development. The customer is not released from the obligation of checking our data and recommendations for the suitability of their own particular application. Performance of the product described herein should be verified by testing, which we recommend be carried out only by qualified experts and is the sole responsibility of the customer.

ALL-CERT
DIN EN ISO 9001
DIN EN ISO 14001

This product has been manufactured under the controls established by an ALL-CERT approved management system that conforms with EN1504-2, ISO 9001:2015 and ISO 14001:2015.

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