Acrylicon Variant Paint System

Description and Uses

The Acrylicon Variant Paint System is a thin coating system. It consists of the same primer and sealer as our Variant System with a paint coat of colour as the body. This gives a hard wearing seal coat for the concrete that provides dust proofing, waterproofing, chemical protection and good aesthetics.

Designed for sealing and colouring concrete, for example light engineering, car parks, plant rooms and other areas where a resin coating is required.

Specification

Product	Acrylicon Variant Paint System - Preparatory work and application in accordance with suppliers instructions.
Finish	Satin
Thickness	0.5mm
Slip Resistance	For added slip resistance our Variant Paint Plus option is available in different grades.
Colour	A wide range of options are available, consult the AcryliCon colour chart for details.
Supplier	AcryliCon Polymers GmbH (Germany)

Please visit our website **www.acryliconpolymers.com** to find your nearest AcryliCon office.

Key Features and Benefits

- 1-2 hours cure time - rapid installation and minimum downtime.
- Decorative finish - great aesthetics, UV stable and available in a wide range of colours.
- Hard wearing - Excellent resistance to abrasion and fire.
- Chemical bond/cure - a truly seamless floor with no cold joints or risk of delamination.
- Low emissions - our products are solvent-free and contain very low VOC's.

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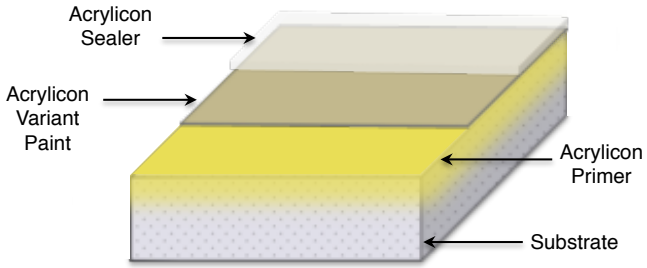
System



Cleaning and Maintenance

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

Cure Time

The Variant Paint System is fully cured within 2 hours after installation and may be put into full use by the customer.

Properties and Application

Acrylicon primer, body coat and 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 5°C/41°F.

Substrate

The concrete strength must not be less than 22.5N/mm2 (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.

Technical Information

Compressive Strength EN196-1 (DIN1164), ASTM C349	75 N/mm^2 / 10,878 psi
Shore Hardness DIN 53505, ISO 868, ASTM D2240	80D
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 Steel: >2.0 Mpa
Slip Resistance ASTM C1028 (SCOF)	Dry: 0.84 Wet: 0.85
Slip Resistance BS 7976 (TRL Pendulum Test)	Dry: 71 Wet: 17
Temperature Resistance	Tolerant of sustained temperatures up to 65°C/149°F
Abrasion Resistance EN ISO 5470-1 (Taber)	<1000 mg (average mass loss)
Chemical Resistance EN13529	Good

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

Life Expectancy

7-10 years subject to correct installation conditions and substrate preparation. Life expectancy is generally influenced by the use of the system and the maintenance regime.

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.

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