

Acrylicon® Variant System

Description

Acrylicon Variant System is industrial grade, mono-colour self-levelling system, which can be installed with or without scattered (sparse) flakes. The thickness of the floor may vary from 1 mm to 3 mm, depending on the level of impact resistance required by the customer. The Acrylicon Variant System has a compressive strength of 98N/mm (14,200 psi) and is extremely easy to clean even with heavy traffic. The slip resistance can be adjusted based on the customer's needs and specified regulations.



Uses

Designed for heavy industry and cleanability. The Acrylicon Variant System is the best solution for parking garages, automotive service centers, paper processing, stadiums, conference centers, pharmaceutical industry, laboratories, hospitals, power plants, schools and hangars.

Cure time

The AcryliCon Systems are fully cured two hours after installation and may be actively used by the customer.

Cleaning and Maintenance

Clean regularly using mechanical Scrubber/Dryer type equipment. Cylindrical machines with built in vacuum are best suited. Combine with degreaser or Acrylicon Cleaning Solution. Due to Acrylicon's unique ability to chemically bond, any repairs needed due to damage or extensions, can be effected throughout the life of the floor. Contact your AcryliCon office for advice.

Life Expectancy

In excess of 20-30 years, according to our clients statement, subject to correct installation condition, substrate preparation and maintenance regime.

Specification

Product: Acrylicon Variant System

Finish: Satin

Thickness: 1-3 mm

Colour: Multiple Choices.

Preparatory work and application in accordance with suppliers instructions.

Supplier: AcryliCon Polymers GmbH.

www.acrylicon.com



ACRYLICON®
Industrial Flooring

- because the world is a tough place

Acrylicon® Variant System

Substrate

Thorough visual inspection of the current areas, evaluation and preparation of the concrete is required to ensure the longevity of an industrial floor and an optimal bond to the underlying concrete.

The concrete must be C25/>3,800 psi quality or better. The concrete surface must demonstrate sufficient consistency of strength and quality without fine aggregates in the surface (i.e. latency). The surface must be homogeneous, free from loose particles and dirt, and free of oil and dust, before the installation of the floor may commence. The moisture in the subfloor must be no more than 5% by weight and no moisture migration from the ground must occur. AcryliCon must be informed of your subfloor specifications, in particular if the floor is treated with chemicals or contains additives, which may affect the curing process and installation. The floor and room should have a minimum temperature of +5°C/+41°F and a maximum temperature of +27°C/80°F.

AcryliCon recommends trial applications before installations. On any trial areas, bond testing, substrate cleanliness (contamination), substrate surface hardness, porosity, and moisture condition evaluation should be performed to assure integrity of the substrate preparation effectiveness, coating bond, and finished appearance.

Properties and application

Acrylicon Variant System Primer, Body- and Topcoat resins are transparent, solvent- and VOC- free, medium viscous, non yellowing, non-toxic, 2 component modified methyl-methacrylate resins. Acrylicon 1061SW is used as a body coat to obtain tough/elastic coloured floors. Acrylicon Sealer is used as a colourless, wear resistant sealer and top coat. The curing time is about 1 hour at 20°C/68°F (ambient). The lowest application temperature (substrate and material temperature) is 5°C/41°F. AcryliCon is also providing solutions for installation in temperature down to -25°C/-13°F

Please visit our web site: www.acrylicon.com for your nearest AcryliCon office.

Technical Information

The technical properties of your AcryliCon Floor are based on DIN/ASTM testing and the results are average values delivered under proper installation procedures and conditions.

The supplier is not liable for possible property changes of the AcryliCon Systems caused by hot water loads at 68°C/155°F and above and/or thermal shock (rapid temperature variations).

Compressive Strength (DIN1164 - ASTM C109,C39):

98.0N/mm.sq./14,210 psi

Tensile Strength in bending (DIN 1164 - ASTM D638):

37N/mm.sq./4,350 psi

Modulus of Elasticity (DIN53457/ASTM C-469):

4000 N/mm.sq./580,000 psi

Water Absorption 4 days (DIN53495/ASTM D 570):

less than 0.1%

Elongation at Fracture (DIN53445):

18%

Surface Resistance (ASTM D 147):

6.0.1012 ohm

Temperature Resistance:

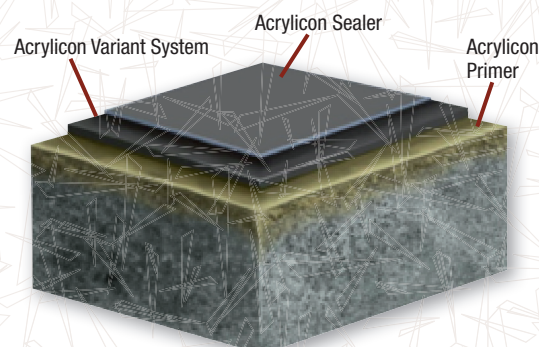
Sustained resistance up to 68°C/154°F

Chemical Resistance: Good to most Acids, Alkalis, Oils and Fats, Solvents and Organics, see separate chemical resistance list.

Slip Resistant (SCOF-ASTM C-1028):

Dry: 0,84 With AluOxide: Dry: 1,14

Wet: 0,85 With AluOxide: Wet: 1,10



Disclaimer

This information and all further technical advice are based on intensive research and many years of 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 in the sole responsibility of the customer.



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