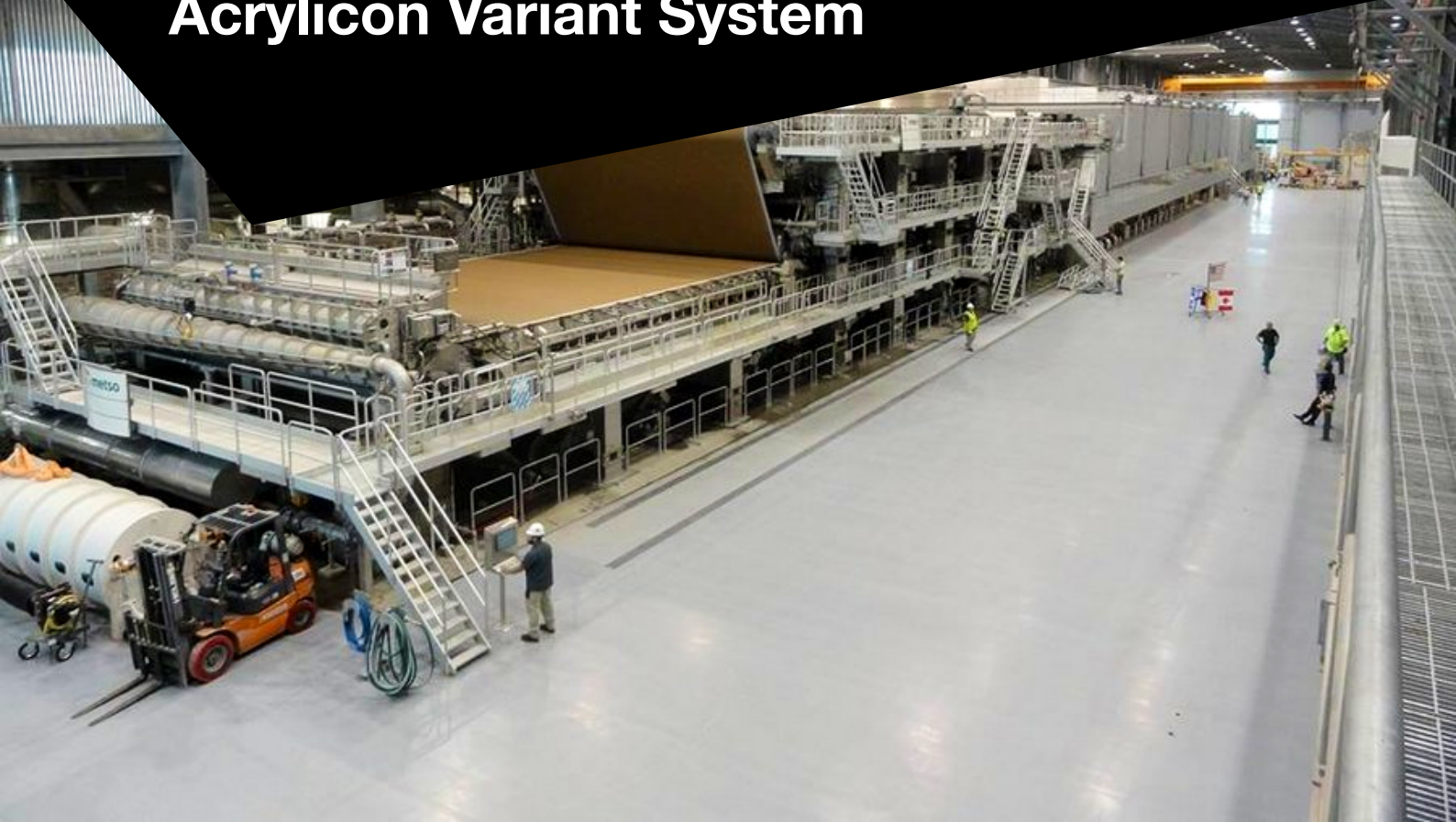


Acrylicon Variant System



Description and Uses

The Acrylicon Variant System is an Industrial grade, mono-colour, self-levelling system which can be installed with or without scattered flakes and cures within 2 hours. The thickness of the floor may vary from 1mm to 3mm, depending on the level of impact resistance required by the customer. With an extremely high compressive strength the system is ultra-cleanable even with heavy traffic. The slip resistance can be adjusted based on the customer's needs and specified regulations.

Designed for heavy industry and clean environments, for example heavy engineering, laboratories, clean rooms, paper mills, pharmaceutical and other areas where hygiene and cleanability are paramount.

Specification

Product	Acrylicon Variant System - Preparatory work and application in accordance with suppliers instructions.
Finish	Satin
Thickness	1-3 mm
Slip Resistance	For added slip resistance our Variant 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



High compressive strength - excellent durability and cleanability.



1-2 hours cure time - rapid installation and minimum downtime.



Slip resistant - our floors exceed minimum safety requirements and can be tailored to each area.



Hard wearing - exceptional resistance to chemicals, abrasion, impact and fire.



Chemical bond/cure - a truly seamless floor with no cold joints and virtually no risk of delamination.



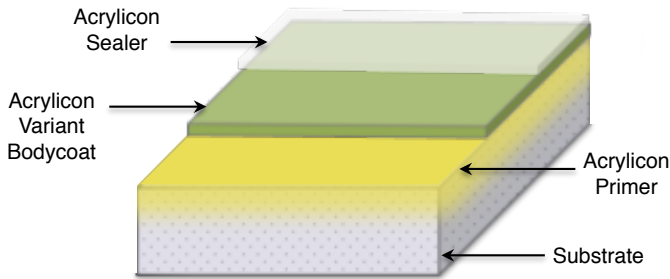
Low emissions - our products are solvent-free and contain very low VOC's.



Long lasting - our floors do not degrade or become brittle with use.

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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 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 seal coat resins are transparent, solvent-free, medium viscosity and non-toxic when cured. Pigmented Acrylicon Bodycoat 1061 SW is used as a body coat to obtain tough mono-colour floors. Acrylicon Sealer is used as a colourless, wear resistant seal coat. 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 substrates. For further advice please contact your nearest AcryliCon office.

Technical Information

Compressive Strength EN196-1 (DIN1164), ASTM C349	98 N/mm ² / 14,214 psi
Flexural Strength EN 196-1 (DIN1164) / ASTM C348	37 N/mm ² / 5,367 psi
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 / 1.14 (+ AluOxide) Wet: 0.85 / 1.10 (+AluOxide)
Slip Resistance BS 7976 (TRL Pendulum Test)	Dry: 68 Wet: 61
Slip Resistance DIN 51130 (German Ramp Method) Dry	R9 - R13 classification
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	Excellent
Fire Class EN 13501-1	Efl - s1 (standard) Dfl - s1 (slip resistant)

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

In excess of 20 years, subject to correct installation conditions and substrate preparation. Life expectancy is generally influenced by the use of the system and 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.



-because the world is a tough place