Décor System -
Thermostable up to 85°C

Description and uses

The Acrylicon Décor System - Thermostable up to 85°C is a 3 - 6 mm quartz filled, trowel applied floor coating with excellent slip resistance values, longevity , cleanability. Coved skirting can be produced and due to AcryliCon's ability to chemically bond, it is truly seamless with the floor. The cure time is under 2 hours, meaning any downtime is reduced to a minimum.

Designed for wet areas and heavy industry, compatible with daily use of hot water. For example fish, meat and poultry processing, bakeries, breweries, dairies, kitchens and other areas where also hygiene and cleanability are paramount.

Specification

Product	Acrylicon Décor System - Thermostable up to 85°C: Preparatory work and application in accordance with suppliers instructions.
Finish	Satin
Thickness	3 - 6 mm
Slip Resistance	For added slip resistance our Décor Plus option is available in different grades.
Colour	A wide range of options are available, consult the AcryliCon Quartz colour chart for details.
Supplier	AcryliCon Polymers GmbH (Germany).

Key features and benefits

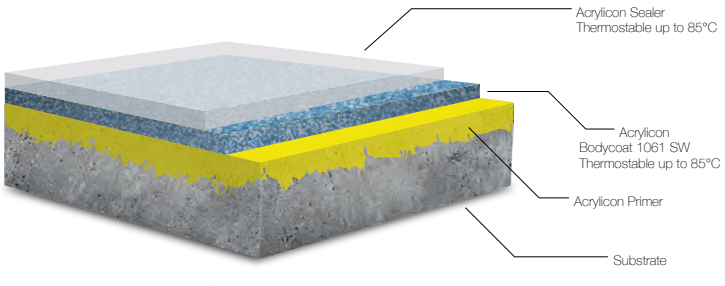
- Hot water resistant
  long term up to +85°C, short term up to +95°C
- 1-2 hours cure time - rapid installation and minimum downtime.
- High compressive strength - excellent durability and cleanability.
- Hard wearing - exceptional resistance to chemicals, abrasion, impact and fire.
- Chemical bond/cure - 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, become brittle or porous with use.

To find your nearest AcryliCon office please visit our website:

www.acryliconpolymers.com

AcryliCon®
Quality Resin Solutions

System



Cleaning and Maintenance

Clean regularly using a mechanical Scrubber/Dryer. Cylindrical machines with built in a vacuum are best suited in combination with a neutral or alkaline degreaser, depending on type of production. Contact your nearest AcryliCon office for advice.

Cure Time

The Décor System - Thermostable up to 85°C is fully cured within 2 hours after installation and may be put into full use by the customer.

Properties and Application

Acrylicon Primer, Acrylicon Bodycoat 1061 SW Thermostable and Acrylicon Sealer Thermostable up to 85°C are transparent, solvent-free, medium viscosity and non-toxic when cured. Acrylicon Bodycoat 1061 SW Thermostable up to 85 °C is used to obtain tough coloured quartz floors. Acrylicon Sealer Thermostable up to 85 °C 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 0°C/41°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/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 rapd 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 EN 196-1 (DIN1164)	94 N/mm^2 / 13,635 psi
Flexural Strength EN 196-1 (DIN1164)	30 N/mm^2 / 4,350 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
Slip Resistance DIN 51130 (German Ramp Method) Dry	R9 - R13 classification
Slip Resistance BS 7976 (TRL Pendulum Test)	Dry: 88 Wet: 68
Temperature Resistance DIN EN ISO 4628-1:2016-07	Tolerant of sustained temperatures up to 85°C/185°F
Abrasion Resistance EN ISO 5470-1 (Taber)	166 mg (average mass loss)
Shore D DIN EN 48-4, ISO 868	85
Chemical Resistance EN13529	Excellent
Fire Class EN 13501-1	Dfl - s1 (standard) Cfl - s1 (slip resistant)

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 andrecommended 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.

ALL-CERT
DIN EN ISO 9001
DIN EN ISO 14001

CE

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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