

Acrylicon Décor ESD System

Photo of Acrylicon Décor System without ESD protection



M1 certification for indoor air quality



Certified by TÜV for fire class

Description and Uses

The Acrylicon Décor ESD System is a unique, fast cure, hard wearing, ESD/anti-static resin floor. The system also has excellent conductivity values, durability, longevity and exceptional cleanability. The cure time is under 2 hours, meaning any downtime is reduced to a minimum. The conductivity, being integral within the system matrix, is therefore assured throughout the life of the floor.

Designed for use in areas requiring ESD (electrostatic discharge) protection, for example automotive, battery manufacture, pharmaceutical, laboratories, electronics, aviation, explosive environments and other areas where ESD/anti-static flooring is required.

Specification

Product	Acrylicon Décor ESD System - Preparatory work and application in accordance with suppliers instructions.
Finish	Satin
Thickness	4mm
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



ESD Protection - Helps to implement and maintain an ESD control programme in compliance with BSEN 61340-5-1 and ANSI/ESD S.20.20



Easy maintenance - no special cleaning chemicals required to maintain the ESD properties.



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



90 N/mm²

High compressive strength - excellent durability and cleanability.



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

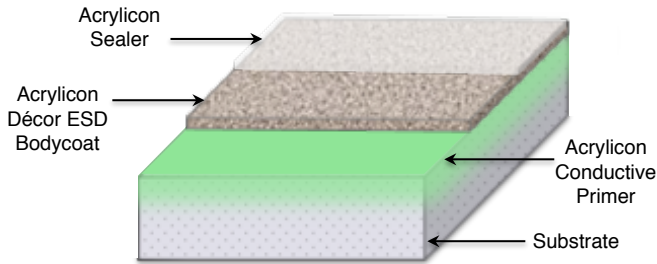


Long lasting - our floors do not degrade, become brittle or porous with use.



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System



Cleaning and Maintenance

Can be easily and effectively cleaned in line with current legislation and best practice and as determined by the intended use and customer's requirements. No special chemicals are required to maintain the ESD properties. Contact your nearest AcryliCon office for advice.

Cure Time

The Décor ESD 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 and sealcoat resins are transparent, solvent-free, medium viscosity and non-toxic when cured. Acrylicon Bodycoat 1061 SW is used to obtain tough coloured quartz floors. 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 EN 196-1 (DIN1164), ASTM C349	90 N/mm ² / 13,050 psi
Flexural Strength EN 196-1 (DIN1164) / ASTM C348	28 N/mm ² / 4,060 psi
Electrostatic Conductivity EN 1081	Volume Resistance (R1): 14kΩ Surface Resistance (R3): 182kΩ
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: 78 Wet: 66
Slip Resistance DIN 51130 (German Ramp Method) Dry	R13 classification
Temperature Resistance	Tolerant of sustained temperatures up to 65°C/149°F
Abrasion Resistance EN ISO 5470-1 (Taber)	535 mg (average mass loss)
Fire Class EN 13501-1	Dfl - s1

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