Acrylicon Wall System

Description and Uses

The Acrylicon Wall System is an extremely durable, hygienic and long lasting wall covering containing decorative flakes or quartz within a chemically bonded resin system. It is easy to apply and coupled with a 2 hour cure time, it can be installed in a fraction of the time when compared to traditional wall cladding and tile systems. Due to Acrylicon's unique ability to chemically bond it can be fused with Acrylicon Floor Systems to provide a truly monolithic "floor to ceiling" interface.

Designed to be used on walls in changing rooms, showers, toilets, wet rooms, food processing areas, hospitals, pharmaceutical industries, public areas, abattoirs, breweries, bakeries and many other areas requiring a hygienic and easy to clean surface.

Specification

Product	Acrylicon Wall System - Preparatory work and application in accordance with suppliers instructions.
Finish	Satin
Thickness	0.7-1.2mm
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

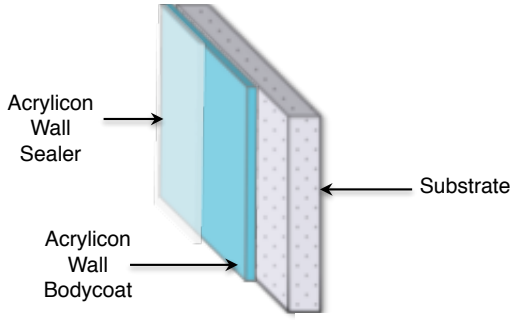
- Decorative finish - great aesthetics, UV stable and available in a wide range of colours.
- 1-2 hours cure time - rapid installation and minimum downtime.
- 64 N/mm2 — High compressive strength - excellent durability and cleanability.
- Hard wearing - exceptional resistance to chemicals, abrasion, impact and fire.
- Chemical bond/cure - no joints, truly seamless and installations are not temperature dependent.
- 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.

AcryliCon®

-because the world is a tough place

Acrylicon Wall System

System



Cleaning and Maintenance

Can be cleaned in line with current hygiene legislation and best practice. The use of a degreaser is recommended. Due to Acrylicon's unique ability to chemically bond throughout the life of the system, any repairs needed due to customer damage or alterations can be easily achieved.

Cure Time

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

Properties and Application

Acrylicon Wall System resins are transparent, solvent-free, medium viscosity and non-toxic when cured. Acrylicon Wall Bodycoat is a slightly elasticised resin that can be pigmented on site and into which coloured decorative flakes can be fully or partially broadcast. Acrylicon Wall Sealer is used as a colourless protective top 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 substrate must be solid, free of dirt, oil, dust and other contaminants that would prevent bonding. Acrylicon Wall System can be applied onto the substrate at a Relative Humidity of up to 95%. Acrylicon Wall System can be applied to substrates such as tiles, plaster, concrete and boards (for example Whiterock). For further advice please contact your nearest AcryliCon office.

Technical Information

Compressive Strength EN196-1 (DIN1164) / ASTM C349	64 N/mm² / 9,280 psi
Flexural Strength EN 196-1 (DIN1164) / ASTM C348	19 N/mm² / 2,750 psi
Water Permeability DIN / EN 1062-3:2008	<0.001 kg/(m².h$^{0.5}$)
Tensile Adhesion Strength DIN / EN 1542:1999	Concrete: >2.0 MPa Steel: >2.0 Mpa
Shore Hardness DIN 53505 / ISO 868 / ASTM D2240	78 D
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

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

10-15 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.