

# Acrylicon Lacquer System



## Description and Uses

The Acrylicon Lacquer System is a fully reactive, low viscosity resin based system that cures rapidly to produce a hard and abrasion resistant surface with good resistance to a variety of chemicals.

Designed to be used as a sealer on concrete and masonry floors to prevent dusting, abrasion and scratching. It can further protect the substrate against ingress of oil, dirt and grease.

## Specification

|                  |   |
|------------------|---|
| <b>Product</b>   | Acrylicon Lacquer System - Preparatory work and application in accordance with suppliers instructions.        |
| <b>Finish</b>    | Satin   |
| <b>Thickness</b> | <0.5mm  |
| <b>Colour</b>    | Transparent, but can be pigmented in a wide range of colours, consult the AcryliCon colour chart for details. |
| <b>Supplier</b>  | AcryliCon Polymers GmbH (Germany)   |

## Key Features and Benefits



Reactive and rapid cure over a wide range of temperatures.



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



Very good resistance to chemicals and abrasion.



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

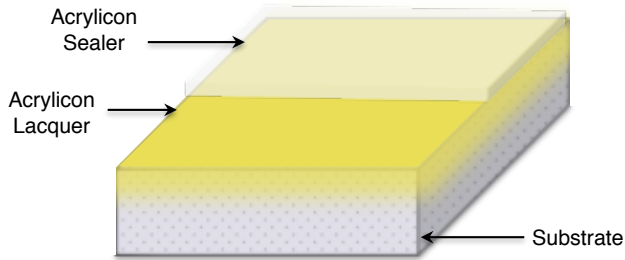


Fast track application all year round.

Please visit our website [www.acryliconpolymers.com](http://www.acryliconpolymers.com) to find your nearest AcryliCon office.

# Acrylicon Lacquer System

## 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

Acrylicon Lacquer is a fast cure system and can be loaded or trafficked within 2 hours of installing the final coat.

## Properties and Application

Acrylicon sealer resins are transparent, solvent-free, medium viscosity and non-toxic when cured. 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/mm<sup>2</sup> (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

|   |   |
|---|---|
| <b>Shore Hardness</b><br>DIN 53505, ISO 868, ASTM D2240 | 80D   |
| <b>Water Permeability</b><br>DIN / EN 1062-3:2008       | <0.001 kg/(m <sup>2</sup> .h <sup>0.5</sup> )       |
| <b>Tensile Adhesion Strength</b><br>DIN / EN 1542:1999  | Concrete: >2.0 MPa<br>Steel: >2.0 Mpa               |
| <b>Temperature Resistance</b>                           | Tolerant of sustained temperatures up to 65°C/149°F |
| <b>Abrasion Resistance</b><br>EN ISO 5470-1 (Taber)     | <1000 mg (average mass loss)                        |
| <b>Resin Viscosity @ 20°C</b><br>DIN 53015              | 60-80 mPa.s   |
| <b>Resin Density @ 20°C</b><br>DIN 51757                | 0.995 g/cm <sup>3</sup>                             |

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.

## Limitations

Acrylicon Lacquer System should not be applied over movement joints.

## 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.

