



Levelling Screed System

Description and uses

The Acrylicon Levelling Screed System is a solvent-free, 2 component methacrylic polymer mortar with high compressive and flexural strength. It is characterised by very low linear shrinkage and rapid curing, making it an ideal replacement for cementitious mortars and screeds. Acrylicon Levelling Screed can be applied in thicknesses of 5-550 mm. The low shrinkage rate enables larger unevenness to be levelled out. The mortar surface resembles that of finished concrete.

Designed as an underlayment screed for AcryliCon Systems, levelling up of uneven substrates, creating falls to drains, bedding in drains, ramps, rail bedding, casting bridge bearings and repairing concrete. Can be used internally or externally.

Specification

Product	Acrylicon Levelling Screed System - Preparatory work and application in accordance with suppliers instructions.
Finish	Rough
Thickness	5-25 mm as standard, up to 550 mm with the addition of aggregates.
Colour	Standard beige grey colour, can be pigmented. Consult the Acrylicon Solid colour chart for details.
Supplier	AcryliCon Polymers GmbH (Germany).

Key features and benefits



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



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



Reactive and rapid cure over a wide range of temperatures.



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



Non-porous composite surface - excellent resistance to staining and marking.



Very low shrinkage - ideal for covering large areas.



Mortar system - can be used to repair concrete.

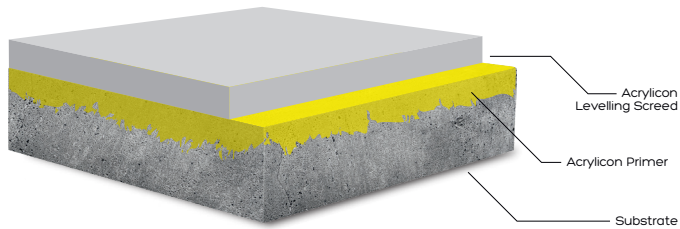
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www.acryliconpolymers.com

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Quality Resin Solutions

System



Technical Information

Compressive Strength EN196-1 (DIN1164)	54 N/mm ² / 7,830 psi
Flexural Strength EN 196-1 (DIN1164)	18 N/mm ² / 2,610 psi
Water Permeability DIN / EN 1062-3:2008	<0.001 kg/(m ² h ^{0.5})
Temperature Resistance	Tolerant of sustained temperatures up to 60°C/140°F
Chemical Resistance EN13529	Excellent
Fire Class EN 13501-1	Bfl-s1

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 and recommended conditions.

Cure Time

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

Properties and Application

AcryliCon Levelling Screed thickness can be achieved by adding further coarse aggregates (for ramps, rail bedding, filler and screed mortars, casting bridge bearings). The substrate generally needs to be pre-treated. The curing time is around 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 down to -25°C/-13°F.

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.

Substrate

The concrete strength must not be less than 22.5 N/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.

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.



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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