Composite Terrazzo System

Description and uses

Acrylicon Composite Terrazzo is a fast cure, long lasting alternative to cementitious and epoxy Terrazzo systems. Highly impervious to liquids and stains, it cures in under 2 hours and can be laid as thin as 8 mm. Acrylicon Composite requires no continual grinding or re-sealing, providing very low maintenance costs and hassle free ownership.

The Acrylicon Composite Terrazzo System is 8 mm thick and combines different aggregates within a special resin binder to create a composite terrazzo with great performance and ease of installation. It is laid as a seamless screed with no joints to crack, harbour dirt or allow water into the sub-floor. Patterns and contrasting colours can be simply installed using divider strips.

Specification

Product	Composite Terrazzo System - Preparatory work and application in accordance with suppliers instructions
Finish	Satin Smooth
Thickness	8 mm (depending on aggregate size)
Colour	Standard blends and custom options available.
Supplier	AcryliCon Polymers GmbH (Germany)

Key features and benefits

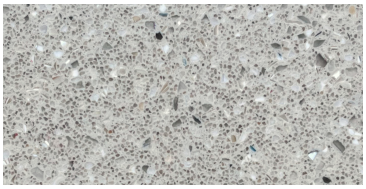
- Hard wearing - exceptional resistance to chemicals, abrasion, impact and fire.
- 1-2 hours cure time - up to 75% faster installation when compared to epoxy and cementitious Terrazzo systems.
- Decorative Finish - great aesthetics, UV stable and available in a wide range of colours.
- Non-porous composite surface - excellent resistance to staining and marking.
- 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:

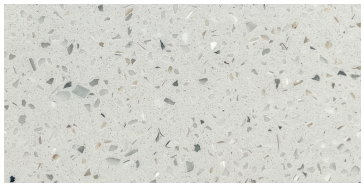
www.acrylicon.com

AcryliCon®
Quality Resin Solutions

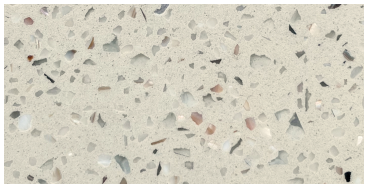
Colour Blends



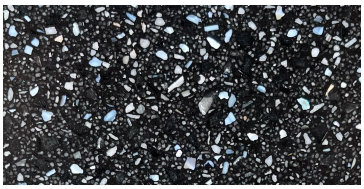
Blend 1 - Ice Grey



Blend 2 - Oyster White



Blend 3 - Perrola



Blend 4 - Onyx Black

Many more colour variations can be achieved with custom aggregate blends and base pigments. Contact your nearest office for more details.

Cure Time

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

Properties and Application

Acrylicon Primer, Acrylicon Crack Sealer and Acrylicon Sealer Superior are transparent, solvent free, medium viscosity and non-toxic when cured. Acrylicon Composite Terrazzo Resin is combined with fine fillers, glass and aggregates to create tough terrazzo style floors. The curing time is between 1-2 hours at 20°C/68°F (ambient). The lowest application temperature (substrate and material) is 0°C/32°F. AcryliCon can sometimes provide solutions for installations down to -25°C/-13°F.

Substrate

The concrete strength must not be less than 22.5N/mm^2 (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.

ALL-CERT
DIN EN ISO 9001
DIN EN ISO 14001

CE

MATERIAL RIBA CPD ASSESSED

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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Technical Information

Compressive Strength EN196-1 (DIN1164)	69 N/mm^2 / 10,000 psi
Flexural Strength EN 196-1 (DIN1164)	15 N/mm^2 / 2,175 psi
Water Permeability DIN / EN 1062-3:2008	<0.001 kg/(m^2.h$^{0.5}$)
Tensile Adhesion Strength DIN / EN 1542:1999	Concrete: >3.0 MPa
Slip Resistance DIN 51130 (German Ramp Method) Dry	< R9 / COfF 71 DRY
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	Efl - 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.

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.

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