FACT SHEET
Fibreglass Arming

Description and uses

The Acrylicon Fibreglass Arming System is an additional reinforcing layer that can be installed within our systems. Fibreglass Arming allows us to successfully overlay tiles, wood, weak screeds and terrazzo by strengthening the Tensile Strength at the surface and helping to prevent reflective cracking. It can also be used overlay joints between different substrates providing a crack-bridging layer. Used in external situations, it can help provide protection against cracking through dynamic stresses caused by movement or thermal expansion/contraction.

Compatibility

Acrylicon Fibreglass Arming System is compatible with all Acrylicon Flooring Systems where depth and substrate condition allows. The substrate in all cases must be dry, sound, fit and even. Any loose tiles or areas should be repaired prior to overlay.

Cure Time

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

Properties and Application

Acrylicon Flexible is applied to a primed substrate with chopped strand Fibreglass matting laid onto the wet coat. The system is fully encapsulated by further application of Acrylicon Flexible Resin. Once cured, the floor system can be installed on top. The curing time is about 2 hours 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 substates. 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 here in 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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