



 **Longfloor**
IntegraCure®
liquid cement screed

A revolutionary development for liquid cement screed

Since the introduction of horizontally laid self-compacting concretes some 20 years ago and more recently, cementitious flowing screeds, these materials have all been bound by the same problem – the need to use a spray applied curing agent.

The curing agent is required to stop the material drying out too quickly which could result in plastic shrinkage cracking. It is a process reliant on selecting the correct curing agent for the product and application, ensuring the application equipment is of the right standard and the material is sprayed at the correct dosage. More often than not, one or more of these processes does not take place, resulting in issues. IntegraCure® completely removes this process from the installation of the screed.

See the film here



Key benefits

Longfloor IntegraCure[®] is the perfect liquid cement screed for both domestic and commercial use flooring:

With all other cement based flowing screed systems, a curing agent is required to stop the material drying out too quickly, which can result in plastic shrinkage cracking. IntegraCure[®] completely removes this process from the installation of the screed.

Dries in $\frac{1}{3}$ of the time of a traditional sand/cement screed or standard anhydrite flowing screeds.

Allows foot traffic in just 24-48 hours after placing.

Suitable to receive non-moisture sensitive floor finishes between 7-14 days.

Laitance free – meaning there's no site revisits for sanding.

 **Longfloor**
IntegraCure[®]
liquid cement screed

On a single visit over 1000m² can easily be laid.

Compatible with all types of primers, grouts and adhesives and can even be laid in wet rooms.

Excellent thermal conductivity ranging from 1.9W/m.K to 2.6W/m.K dependent on raw material package.

Maximum bay sizes can now be between 200-250m² dependent on length to width ratio and room shape. Aspect ratio can now exceed 4:1.

25N/mm² compressive strength and 6N/mm² flexural strength. Higher strength versions are available upon request.

Drying shrinkage is significantly reduced compared to other cementitious systems.

Longfloor IntegraCure[®] binder contains 95% recycled material as verified under ISO 14021.

Longfloor IntegraCure[®] is a truly innovative and game-changing material.



This pioneering technology means:

- Unlike all other current liquid cement screeds, IntegraCure, as the name implies, contains an integral curing agent meaning that no additional spray is needed as well as crucially saving a significant amount of time in the drying process. IntegraCure's self curing qualities thus simply negate the need of a curing agent.
- All of the other features and benefits of the current Longfloor product are maintained and even enhanced within the IntegraCure solution.
- The technology adopted for Longfloor IntegraCure product has resulted in a global first. IntegraCure has been developed by the Longfloor team in conjunction with one of our global additive partners. Longfloor is part of Longcliffe Quarries, the UK's largest independent producer of calcium carbonate (limestone), powders, a company with a 90 year old history of quarrying and grinding high purity Derbyshire limestone. IntegraCure is added to the existing Longfloor product at the manufacturing stage at our state-of-the-art production facility at Longcliffe, Derbyshire.



**Longcliffe Quarries Ltd
Brassington, Matlock,
Derbyshire DE4 4HN**

**Tel: 01629 540284
Fax: 01629 540569
Email: Sales@longfloor.co.uk
www.longfloor.co.uk**

Registered No. 00273400