

DATA SHEET

109 RESIN CEMENT SEAMLESS FLOORING

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V1-28/11/2014

DESCRIPTION

- 109 is a 3 component, technically advanced epoxy cement self-smoothing composite as a highly durable flooring system.

USES

- A seamless floor with a natural look
- Levelling and patching uneven screeds or concrete

BENEFITS

- Excellent adhesion to concrete & screed
- Permeable to water vapour
- Reduces undulation on substrate
- Chemically and mechanically compatible with concrete chemistry forming monolithic structure
- Easy to apply (self smoothing)
- Low odour
- Excellent resistance to water and oils
- High mechanical strength

STANDARD SPECIFICATION

- Thickness: 2- 3 mm
- Colour: Various.
Preparatory work and application must be in accordance with supplier's instructions.
The installation should be carried out by a approved applicator.
Products included in the system.
- Primer: 118 Solvent Free Clear @ 6 m² / l
3 Component seamless flooring kit @ 2l / m² for 2mm
Detailed application instructions are available upon request

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INSTALLATION

- **Primer:** Apply the bonding primer @ 6m^2 / litre and then broadcast 1mm sand into the wet primer @ approximately $1\text{kg}/\text{M}^2$ and allow to dry (+/_ 12 hrs). Sweep off any excess sand.
- **Seamless Flooring:** Mix the 2 resin components well, then add the cement powder component and mix with a mechanical mixer to a uniform slurry consistency. Apply with a trowel or rubber squeegee @ 2 to 3mm thick.
- **Sanding Sealer:** Sand off the top layer to expose the aggregate to achieve the desired effect. Seal the surface with 112, 113 or 110 for high traffic areas.

The installation should be carried out by a approved contractor with a documented quality assurance scheme. Obtain details of our approved applicators by contacting our customer services team.

SUBSTRATE REQUIREMENTS

- Concrete or screed substrate should be of $25\text{N} / \text{mm}^2$, free from laitance, dust and other contamination. The substrate should be surface dry before the application of the primer.

ENVIRONMENTAL CONSIDERATIONS

- The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning. Environmental and health considerations are controlled during manufacture and application of the products by staff and fully trained and experienced contractors.

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TECHNICAL DATA

FIRE RESISTANCE	: BS 476: Part 7 Surface spread of flame: Class 1 (indicative)		
TEMPERATURE RESISTANCE	: Tolerant up to 60°C		
WATER PERMEABILITY	: Nils- Karsten test (impermeable)		
COMPRESSIVE STRENGTH	: 60N / mm ² (BS 6319)		
BOND STRENGTH	: Greater than cohesive strength of 25N/ mm ² concrete		
SPREAD OF CURE	10°C	20°C	30°C
LIGHT TRAFFIC	24hrs	15hrs	12hrs
OVERCOAT	3days	2days	1day
FULL CURE	7days	6days	5days

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the users' responsibility to confirm the currency of product data sheets.