

## **DATA SHEET**

### **127** **KIMBERLITE**

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V1-28/11/2014

#### **GENERAL DESCRIPTION**

- “KIMBERLITE ”is a technically advanced cementitious flooring screed containing natural quartz aggregate which gives a durable speckled type finish.
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#### **USES**

- A seamless floor with a natural look.
  - Interior and exterior use.
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#### **BENEFITS**

- Excellent adhesion to concrete & screeds.
  - Permeable to water vapour.
  - Chemically and mechanically compatible with concrete chemistry forming monolithic structure.
  - Easy to apply.
  - Low odour.
  - Excellent resistance to water and oils.
  - Good mechanical strength.
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#### STANDARD SPECIFICATION

- **Spread Rates:** 401 Cement Slurry Primer - 1 coat @ 4m<sup>2</sup>/litre  
127 "KIMBERLITE" – 25kg bag covers 1m<sup>2</sup> @ 8-10mm  
121 Colour Retaining Primer – 1 coat @ 10m<sup>2</sup>/litre  
112 Acrithane – 2 coats @ 10m<sup>2</sup>/litre/coat
- **Overcoating Times:** 401 Cement Slurry: Apply the "Kimberlite" @ 8-10mm thick onto the wet slurry 127  
"KIMBERLITE": 5 – 7 days @ 25°C  
121 Colour Retaining Primer: 4-6 hours @ 25°C  
112 Acrithane: 12 to 24 hours @ 25°C

Preparatory work and application must be in accordance with the supplier's instructions. The installation should be carried out by a approved applicator. Detailed application instructions are available upon request.

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#### INSTALLATION

- **Primer:** Thoroughly mix equal parts of cement and 401 to a slurry consistency and apply by broom or block brush.
- **Seamless flooring:** Mix the 25kgs of "KIMBERLITE" with 3.2 – 3.5 litres of water using a mechanical mixer to a uniform consistency and apply on to the wet slurry at a minimum of 8mm. Allow to set overnight (as per curing times above) and polish with a diamond grinder to expose the coloured quartz aggregate.
- **Sealer:**
  - 🔧 Prime the surface with Colour Retaining Primer.
  - 🔧 Seal the surface with twin pack Acrithane.

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

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#### **SUBSTRATE REQUIREMENTS**

- Concrete or screed substrate should be a minimum of  $25\text{N/mm}^2$ , 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

<b>COLOUR RANGE</b>	: See colour samples
<b>TEMPERATURE RESISTANCE</b>	: Tolerant up to 1000°C
<b>WATER PERMEABILITY</b>	: Nils – Karsten test (impermeable)
<b>COMPRESSIVE STRENGTH</b>	: 30N / mm <sup>2</sup> (BS 6319)
<b>BOND STRENGTH</b>	: Greater than cohesive strength of 25N / mm <sup>2</sup> concrete.
<b>SPEED OF CURE</b>	10°C      20°C      30°C
<b>LIGHT TRAFFIC</b>	: 24hrs    15hrs    12hrs
<b>OVERCOAT</b>	: 7days    4days    5days
<b>FULL CURE</b>	: 7days    6days    5days
<b>PACKAGING</b>	: 25kg bag

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.