

## **DATA SHEET**

### **107** **ANTI-STATIC EPOXY FLOORING**

(Page 1 of 4)

V1-28/11/2014

#### **DESCRIPTION**

- An anti-static flooring system based on a solvent-free epoxy resin formulation. Available in a range of attractive colours. It creates a seamless, impervious, durable, high gloss flooring system to meet all hygiene requirements.

#### **PROPERTIES**

- Complies with BS 2050 anti-static spec
- High gloss, ceramic tile-like finish
- Easy to clean & resistant to bacteria
- Good weather & chemical resistance
- Good impact and mar resistance

#### **CHEMICAL RESISTANCE**

- Resists most dilute acids & alkalis, petroleum products and aliphatic solvents. (Detailed list available on request)

#### **SURFACE PREPARATION**

- All surfaces must be clean, structurally sound, and free of dust oil and dirt. Concrete surfaces should be abrasive blasted, diamond grinded or acid etched to remove laitance. Moisture content must be below 10 %.

## **DATA SHEET**

### **107** **ANTI-STATIC EPOXY FLOORING**

(Page 2 of 4)

V1-28/11/2014

#### **PRIMING**

- Prime with 118 Epoxy Primer @ 3-4 m<sup>2</sup>/ litre and allow to gel. Fill all imperfections with 118 Epoxy Scaper Coat to ensure that the entire concrete surface is completely sealed.

#### **EARTHING**

- Install earthing points and a copper tape grid over the primed surface. Apply 107 AS Conductive Primer (Black) @ 6-8 m<sup>2</sup>/ litre and allow to gel. Check electrical resistance.

#### **APPLICATION**

- Thoroughly mix the 107 AS liquid resins in the proportions supplied then add the aggregate, mix well with a mechanical mixer and pour out onto the floor. Spread with a serrated trowel to a thickness of 2mm and remove air bubbles with porcupine roller. Allow to level out and set.

#### **CLEANING EQUIPMENT**

- Clean all equipment immediately after use with Water Soluble Brush Cleaner.

#### **SPECIAL NOTE**

- Only applicators trained by technical sales staff will be permitted to apply this flooring system. Refer to the detailed method statement.

## **DATA SHEET**

### **107** **ANTI-STATIC EPOXY FLOORING**

(Page 3 of 4)

V1-28/11/2014

#### **TOXICITY**

- Although 107 AS Anti- Static Epoxy Flooring is relatively non-toxic, it is recommended that the normal precautions on dealing with conventional epoxy systems are adhered to. Refer to the relevant 16 point Material Safety Data Sheet.
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#### **HOW TO SPECIFY**

- All floors to be prepared, primed and coated with 107 AS Anti- Static Epoxy Flooring in accordance with the manufacturer's detailed instructions.
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**DATA SHEET**

**107**  
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(Page 4 of 4)

V1-28/11/2014

**TECHNICAL DATA**

<b>COLOUR</b>	: See colour chart
<b>CONSISTENCY</b>	: Self leveling liquid
<b>N° OF COMPONENTS</b>	: Multi-component system
<b>MIXING RATIO</b>	: Refer to method statement
<b>POT LIFE (500ml @ 25°C)</b>	: Refer to method statement
<b>TOUCH DRY</b>	: 12 hours @ 25 °C
<b>PRACTICAL CURE</b>	: 24 hours
<b>FULL CURE</b>	: 7 days
<b>SPREAD RATE</b>	: Refer to method statement
<b>SOLVENT CONTENT</b>	: Nil
<b>CLEANER</b>	: WSBC
<b>APPLICATION TEMP.</b>	: 10 °C to 30 °C
<b>SERVICE TEMP. LIMITS</b>	: 60 °C Wet, 80 °C Dry
<b>COMPRESSIVE STRENGTH</b>	: 60mPa
<b>FLEXURAL STRENGTH</b>	: 30mPa
<b>ELECTRICAL RESISTANCE</b>	: $5 \times 10^2 - 10^2$
<b>SHELF LIFE</b>	: 12 Months

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.