

# DURAFLOOR SL AS

A CONDUCTIVE SELF-SMOOTHENING EPOXY TOPPING

## DESCRIPTION

**DURAFLOOR SL AS** is a resin based conductive floor system comprising of a conductive under coat topped with a 1mm self-smoothing epoxy conductive topping.

## USES

**DURAFLOOR SL AS** is suitable for use in areas where a durable, cleanable, chemically resistant floor surface is required without the attended risks of static build up. Typical areas of use are electronics, ammunition plants, military arsenals, flammable solvent handling areas, powder explosion risk areas and electronic "device" handling areas.

## BENEFITS

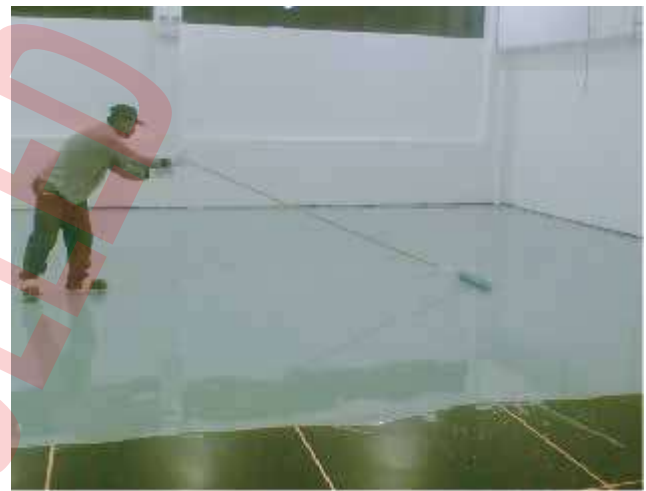
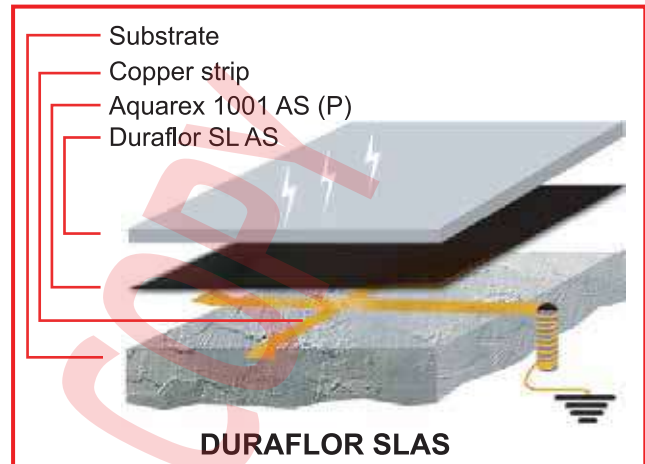
- Enhances working environment.
- Provides seamless, easily cleaned surface
- Eliminates electrostatic discharge from personnel vehicles and equipment's.
- Provides protection against both chemical and mechanical attack.
- It meets the requirements of the following international standards. U.K. BS 2050

## COLORS

Available in Standard Flooring Colors. Other color scan be matched upon request.

## FINISH

Gloss



Technical Data :	
No Of Components	3
Slip Resistance	0.65
Recommended Thickness	1 mm
Resistance to Earth	$5 \times 10^4$ to $5 \times 10^6$ ohms
Flexureal Strength	20 N/mm <sup>2</sup>
Compressive Strength	50 N/mm <sup>2</sup>
Mixing Ratio	3.2:1.6:3.2 kg by weight of Part A, Part B and Part C
Packaging	8kg & 16kg
Pot Life	20 min. at 29°C
Estimated Coverage 1mm thick	10.7m <sup>2</sup> /16kg/Set

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

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## LIMITATIONS

If the substrate to which **DURAFLOOR SL AS (HC)** is applied cracks or moves after application, reflective cracking of the topping may occur. All floors to receive **DURAFLOOR SL AS** topping should be waterproofed. **DURAFLOOR SL AS** alone is not suitable for use on rough floors where the mean surface amplitude exceeds 3 mm.

## APPLICATION PROCEDURE

### Mixing

Stir each component A & B separately using a high power low speed (<750rpm) electric drill fitted with a paint mixer or a wing type mixing paddle. Then pour the entire content of Part C into Part A and continue to mix for 3 minutes. After mixing Part A and Part C add in Part B and mix for 2-3 minutes before use.

### Application

Apply **DURAFLOOR SL AS** within its pot life. Spread **DURAFLOOR SL AS** on to primed surface using steel trowel or squeegee, the spread product is then spiked roller to release entrapped air and allow to cure.

**DURAFLOOR SL AS** application is a specialized activity. The use of skilled contractors fully conversant with the product properties are recommended. Installation should not be attempted without reading the **DURAFLOOR SL AS** product user guide. The following steps are involved over a normal three - day period.

Thoroughly prepare the floor surfaces.

Laying of the copper strip for earthing.

Apply **AQUAREX 1001AS (P)** conductive primer by roller.

Apply **DURAFLOOR SL AS** topping to required thickness and allow to cure thoroughly.

## MAINTENANCE

**DURAFLOOR SL AS** can be cleaned using a rotary scrubbing machine and water miscible cleaning agents. Some of these agents may leave a non - conductive film on the surface of the floor when dry and it is recommended that trials be carried out on alternative cleaners. If surface polishing is considered necessary, note that conventional metallic based acrylic polishes are not suitable for use with **DURAFLOOR SL AS** as they will interfere with the product's conductive properties. Certain anti-static polishes may be suitable but these must be tried before regular use.

## CHEMICAL RESISTANCE

**DURAFLOOR SL AS** shows excellent resistance to a wide range of industrial chemicals such as:

Hydrochloric acid	Citric acid (10%)
Sodium Hydroxide (50%)	White spirit
Bleach	Petrol
Skydrol	For others non common chemicals please consult Cemcrete Technical Department

## SPECIFICATION CLAUSE

Floor areas so designated should be covered with a 1mm thick chemical resistant self-smoothing antistatic epoxy floor topping consisting of a primer coat and topping **DURAFLOOR SL AS**. The product should have been independently assessed on the following performance criteria:

Surface resistance to BS 2050	5x10 <sup>4</sup> to 5x10 <sup>8</sup> ohms
Volume resistance to DIN 51953	5x10 <sup>4</sup> to 5x10 <sup>8</sup> ohms
Surface to Earth Resistance	5x10 <sup>4</sup> to 5x10 <sup>8</sup> ohms

## HEALTH & SAFETY

Some of the components of the **DURAFLOOR SL AS** system are classified as irritants or flammable during the installation phase. Information on the precautions to be taken during the installation phase are contained in the product's Material Safety Data Sheet.

## FURTHER INFORMATION

With a wealth of technical and practical experience built up over many years in our pursuit of excellence especially in the protective, flooring and concrete technology, make **CEMKRETE** your partner today. Contact our hotline now.

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