

DESCRIPTION

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

USES

DURAFLOR 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

COLOURS

Available in Standard Flooring colours. Other colours can be matched upon request.

FINISH

Gloss

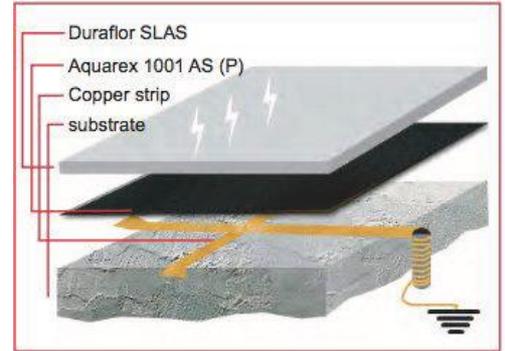
TECHNICAL DATA

No. of Components	3
Slip Resistance	0.65
Recommended Thickness	1 mm
Resistance to Earth	5×10^4 to 5×10^6 ohms
Flexureal Strength	20 N/mm ²
Compressive Strength	50 N/mm ²
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 ² /16kg/Set

APPLICATION PROCEDURE**Application**

Apply DURAFLOR SL AS within its pot life. Spread DURAFLOR 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.

DURAFLOR 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 DURAFLOR SL AS product user guide.

**LIMITATION**

If the substrate to which DURAFLOR SL AS (HC) is applied cracks or moves after application, reflective cracking of the topping may occur. All floors to receive DURAFLOR SL AS topping should be water-proofed.

DURAFLOR SL AS alone is not suitable for use on rough floors where the mean surface amplitude exceeds 3mm.

MAINTENANCE

DURAFLOR 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 DURAFLOR 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

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

Hydrochloric acid
 Sodium Hydroxide (50%)
 Bleach
 Skydrol
 Citric Acid (10%)
 White spirit
 Petrol

HEALTH & SAFETY

Some of the components of this product may be hazardous during mixing and application. Keep out of reach of children. For further information, refer to the product Material Safety Data Sheet, available upon request.

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 DURAFLO SL AS. The product should have been independently assessed on the following performance criteria:

Surface resistance to BS 2050	5x10 ⁴ to 5x10 ⁸ ohms
Volume resistance to DIN 51953	5x10 ⁴ to 5x10 ⁸ ohms
Surface to Earth Resistance	5x10 ⁴ to 5x10 ⁸ ohms

FURTHER INFORMATION

With a wealth of technical experience built up over many years in our pursuit of excellence especially in the protective and flooring technology, contact **MACHLAB** for further consultation.