

DURAFLOOR SL AS (HC)

A CHEMICAL RESISTANT CONDUCTIVE SELF-SMOOTHENING EPOXY TOPPING

DESCRIPTION

DURAFLOOR SL AS (HC) is a chemical resistant, resin based conductive floor system comprising of a conductive primer, topped with a 1 - 2mm self-smoothing conductive epoxy which is also part of a high chemical resistant formula.

USES

DURAFLOOR SL AS (HC) is suitable for use in areas where a durable, cleanable, chemical resistant floor surface is required without the potential risks of static buildup. Typical areas of use include electronics, ammunition plants, military arsenals, flammable solvent handling areas and other explosion risk areas.

BENEFITS

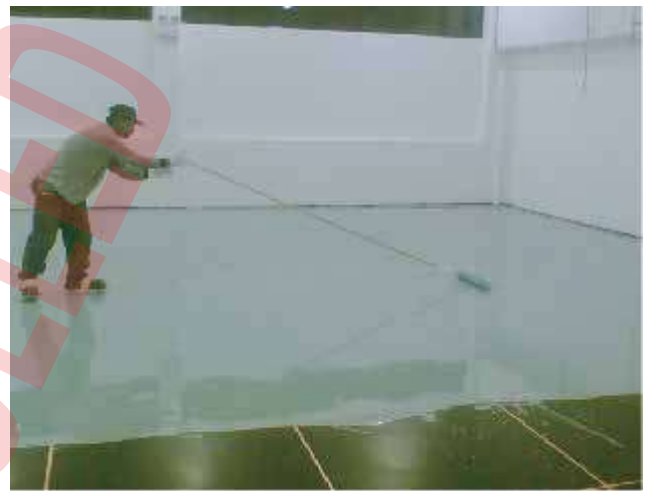
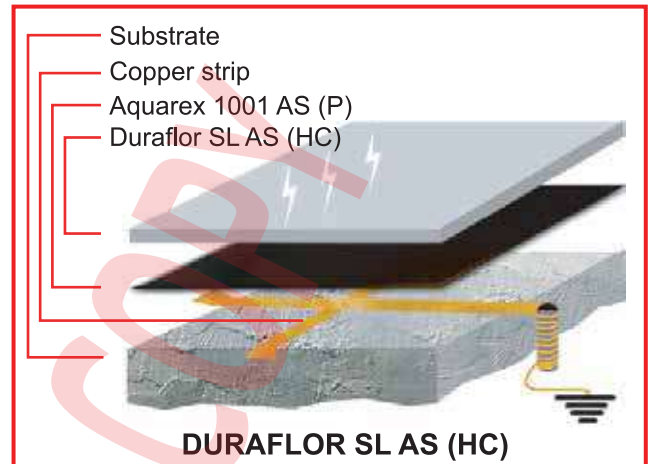
- Provides a seamless & easy to clean surface
- Eliminates electrostatic discharge from personal vehicles and equipment.
- Provides protection against both chemical and mechanical attacks.
- Meets the international standard U.K. BS 2050

COLOR

Available in standard flooring colors.
Other colors 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

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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CEMKRETE®

ISO 9001 & 14000 CERTIFIED

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 (HC) topping should be waterproofed. DURAFLOOR SL AS (HC) 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 together with Part C, add in Part B and further mix for another 2-3 minutes before use.

Application

Apply DURAFLOOR SL AS (HC) within its pot life. Spread DURAFLOOR SL AS (HC) on to primed surface using steel trowel or squeegee. The spread product shall be spiked roller to release entrapped air and allow to cure.

As the application for DURAFLOOR SL AS (HC) is of a highly 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 (HC) product user guide. The following steps are involved over a normal three - day period.

Thoroughly prepare the floor surfaces.

Laying of copper strips for earthing.

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

Apply DURAFLOOR SL AS (HC) topping to required thickness and allow to cure thoroughly.

MAINTENANCE

DURAFLOOR SL AS (HC) 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 dried, thus it is recommended that trials to be carried out with alternative cleaners. Should surface polishing is considered necessary, note that conventional metallic based acrylic polishes would not be suitable for use with DURAFLOOR SL AS (HC) as it will interfere with the product's conductive properties. Certain anti-static polishes may be suitable but must be tested first before regular use.

CHEMICAL RESISTANCE

DURAFLOOR SL AS (HC) shows excellent resistance to a wide range of industrial chemicals including:

Hydrochloric acid (30%)	Citric acid (10%)
Sulphuric acid (30%)	Jet A1 fuel
Sodium Hydroxide (50%)	White spirit
Bleach	Petrol
Skydrol	For others non common chemicals please consult Cemkrete Technical Department

SPECIFICATION CLAUSE

Floor areas designated for coating should be layered with a 1mm thick chemical resistant self-smoothing antistatic epoxy floor topping consisting of a primer coat and topping DURAFLOOR SL AS (HC). 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

HEALTH & SAFETY

Some of the components of the DURAFLOOR SL AS (HC) 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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