

# DURAFLOOR SL 2

A SELF-SMOOTHENING EPOXY TOPPING 2-3 MM THICKNESS

## DESCRIPTION

**DURAFLOOR SL 2** is a seamless, self-smoothing epoxy flooring system laid between 2-3mm in a single application.

## USES

To provide an easy to clean, chemical resistant and hard wearing floor finish. Typical areas for use are dry process manufacturing, packaging and warehousing subjected to intensive wheeled & forklift traffic. Suitable for AGV, Hovair and other robotic equipment trafficking.

## BENEFITS

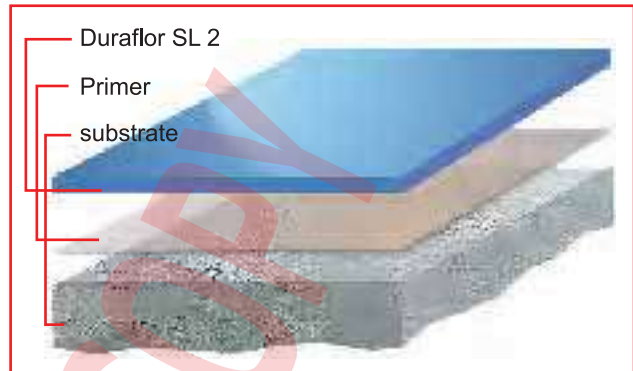
- Seamless & hygienic finish, no crevices where dirt and bacteria can dwell.
- Easy to clean & sterilize, low maintenance requirement.
- Attractive, light reflectance appearance.
- High abrasion resistance.
- Solvent free; low odour.
- Fast installation.

## COLORS

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

## FINISH

Gloss



### Technical Data :

No of Components	3	
Estimated Coverage	At 2mm, 3.2kg/m <sup>2</sup>	At 3mm, 4.8 kg/m <sup>2</sup>
Mixing Ratio	3.6:1.9:4.5 by weight of Part A, Part B & Part C	
Pot Life	20min @ 28°C	
Water absorption	0% (Korstner test method)	
Flexural strength	33 N/mm <sup>2</sup>	
Abrasion Resistance	0.15gm/1000gm loading 1000rpm	
Impact Resistance	Good	
Decontamination Classification	Good (as per BS4247 Pt 1 test A)	
Bond Strength	Cohesive strength of concrete	
Compressive Strength	55 N/mm <sup>2</sup>	
Light Traffic	36 hrs @ 10°C	24 hrs @ 20°C
Tack Free Time	20 hrs @ 10°C	10 hrs @ 20°C
Full Traffic	72 hrs @ 10°C	48 hrs @ 20°C
Fully Cure	12 days @ 10°C	7 days @ 20°C
Storage & Shelf Life	unopened in dry conditions at 10°C - 25°C / 12 months	
Packaging	10 & 20 kg	

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.

### WEBSITE

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## APPLICATION PROCEDURE

### Surface Preparation

Substrate to be coated must be sound, clean and free from any contamination. Total enclosed shot blasting or scarifying should be employed followed by thorough vacuuming. All applications must be carried out in accordance with manufacturers' written instructions.

**DURAFLOOR SL 2** should be applied by specialist applications who must follow by the product application guide. The following steps are involved in the application procedures involved. The following steps are involved in the application which would normally take place over a 3.5 day period.

Application thoroughly prepare the floor surface, if necessary repair and level the floor surface. Apply primer **UNIPRIME 134 WB** by roller and allow to cure. Apply **DURAFLOOR SL 2** floor topping by trowel, squeegee or roller. Thoroughly spike roll the **DURAFLOOR SL 2** and allow to cure. Installation time will vary with site conditions, the areas involved and the system chosen.

### Mixing

Pack components are pre-weighed for optimum performance. Never split or proportion packs. Add Hardener B to Base A in a mixing container. Mix with a high power 750 rpm drill and helical spinner, or in a pan type mixer, until uniform. Mix in the Filler C in binder (A+B) with a drill and helical spinner, or in a pan type mixer until uniform.

### LIMITATION

**DURAFLOOR SL 2** should not be applied onto surfaces known to suffer from rising damp conditions or having a relative humidity of greater than 75% as measure in accordance with BS 8203 Appendix A or by a Vaisala thermo hygrometer type HMI 31. If such an occurrence should happen it is recommended to apply **CEMFLOOR MBS** as a moisture barrier. Further information available upon request. If movement or cracking of the substrate takes place after application then reflective cracking of the topping may occur. All know expansion joints should be maintained in the topping.

**DURAFLOOR SL 2** should not be applied to the following substrate:

Asphalt, unmodified sand cement screeds, PVC tiles or tiles.

### TEMPERATURE

**DURAFLOOR SL 2** should not be applied at material or floor temperatures below 10°C. Temperature should not fall below 5°C in the 24 hrs after application.

## SUBSTRATE MOVEMENT

All moving joints must be carried through the **DURAFLOOR SL 2** and properly sealed. Construction joints and cracks may be covered but if substrate movement occurs, the **DURAFLOOR SL 2** will reflect the cracks.

## REPAIRS AND LEVELS

All damaged areas of floor should be made good and up to level with **EPOFIX 712 MORTAR** applied over wet **UNIPRIME 134 EM**. To rectify levels use Epoxy Scratch Coat **DURAFLOOR SL (SC)** prior to **DURAFLOOR SL 2** application. If moisture content is above 75% RH as per BS8203, use **DURAFLOOR NWB 21** as a moisture barrier.

	Excellent	Good	Limited
Hydrochloric acid 10%	✓		
Sulphuric acid 25%	✓		
Citric acid	✓		
Acetic acid 5%		✓	
Lactic acid 10%		✓	
Acetone			✓
Methanol		✓	
Sugar syrups	✓		
Caustic soda	✓		
Petrol		✓	
Oil	✓		
Detergents	✓		

## HEALTH & SAFETY

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

## 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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