

DURAFLOOR SL 1

A SELF-SMOOTHENING EPOXY TOPPING - 1MM THICKNESS

DESCRIPTION

DURAFLOOR SL 1 is a seamless, self-smoothing epoxy topping meant for 1 mm in a single application.

USES

For use on areas like food processing, clean rooms, laboratories, hospital, light duty manufacturing areas and as a topping for **DURAFLOOR EM** Mortar System.

BENEFITS

- Hygienic - provides easy to clean dust free surface
- Range of colors - enhances working environment
- Food grade - non solvent and taint free formulation
- Hard wearing - good abrasion resistance with stand foot light vehicular traffic.

COLORS

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

FINISH

Gloss

**Technical Data :**

No. Of Component	3
Bond Strength	Failure at concrete substrate
Compressive strength	50 N/mm ²
Abrasion Resistance	0.6 gms/1000 gms Loading 1000 rpm (CS-17wheels)
Flexural strength	>20 N/mm ²
Pot Life	30min @ 28°C
Initial Cure Foot Traffic	24 hours @ 20°C
Vehicular traffic	48 hours
Fully cure	7 days
Mixing Ratio	3.6 : 1.9 : 3 by weight of Part A, Part B & Part C
Estimated Coverage - 1 mm	1.5 kg/m ²
Storage & Shelf Life	unopened in dry conditions at 10°C - 25°C / 12 months
Packaging	8.5 / 17 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.

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CEMKRETE®

ISO 9001 & 14000 CERTIFIED

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 manufacturer's written instructions.

DURAFLOOR SL 1 should be applied by specialist applications that must follow by the product application guide. The following steps are involved in the application procedures which would normally take place over a 3.5 day period.

Applications thoroughly prepare the floor surface, if necessary repair and level the floor surface. Apply **UNIPRIME 134 WB** with a roller and allow to cure. Apply **DURAFLOOR SL 1** floor topping with a trowel, squeegee or roller. Thoroughly spike rolls the **DURAFLOOR SL 1** and allow to cure. Installation time will vary in 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 with time 3-4 minute.

LIMITATION

DURAFLOOR SL 1 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 known expansion joints should be maintained in the topping.

DURAFLOOR SL 1 should not be applied to the following substrate: Asphalt, unmodified sand cement screeds, PVC tiles or tiles.

TEMPERATURE

DURAFLOOR SL 1 should not be applied on materials 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 with **DURAFLOOR SL 1** and properly sealed. Construction joints and cracks may be covered but if substrate movement occurs, the **DURAFLOOR SL 1** will reflect the cracks.

REPAIRS AND LEVELS

All damaged areas of floor should be made good and up to level with **EPOXY MORTAR** applied over wet **UNIPRIME 134 EM**. To rectify levels use Epoxy Scratch Coat **DURAFLOOR (SC)** prior to **DURAFLOOR SL 1** application. If moisture content is above 75% RH as per BS8203, use **CEMFLOOR MBS** 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 in 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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