

DURAFLOOR SL 500

A SELF - SMOOTHENING EPOXY RESIN TOPPING - 0.5MM THICKNESS

DESCRIPTION

DURAFLOOR SL 500 is a self-smoothing epoxy floor topping for very thin application of minimum 0.5mm thickness.

USES

Duraflor SL 500 is used ideally as a finishing topping over **DURAFLOOR SC UNDERLAY** and **DURAFLOOR EM** system. For usage in light-duty manufacturing areas like food processing, clean rooms, laboratories and hospitals. Also ideal for re-surfacing old and worn out epoxy self-leveling system.

BENEFITS

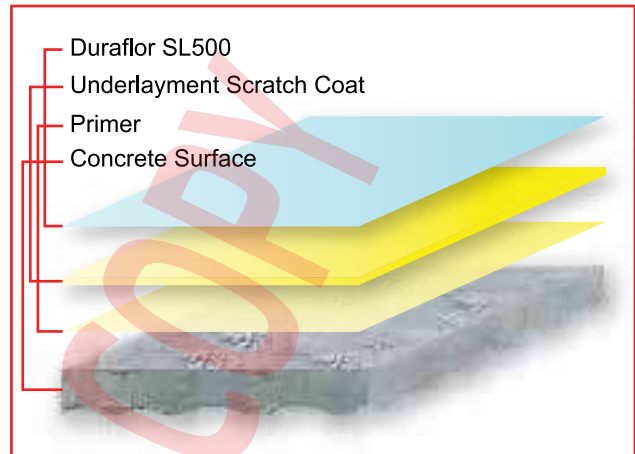
- Hygienic - provides easy to clean dust free surface
- Range of colors - enhances working environment
- Food grade - non solvent and taint free formulation
- Hard wearing - good abrasion resistance with stand foot light vehicular traffic.

COLORS

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

FINISH

Gloss



Technical Data :	
No of Components	2
Recommended Dry film Thickness	0.5mm ~ 1mm
Mixing Ratio	9:3 by weight of Part A & Part B
Packaging	12kg
Pot Life	20 min at 28°C
Initial Cure (Foot Traffic)	24 hours
Fully Cured	7 days
Compressive strength	>45 N/mm ²
Flexural Strength	>20 N/mm ²
Tensile Strength	>12 N/mm ²
Bond Strength	100% Concrete Failure
Water absorption	0% (Korstner test method)
Abrasion resistance	0.15gm/1000gm Loading 1000rpm (C&CA Abrasion as per BS8204)
Storage & Shelf life	12 months in unopened packs.
Estimated Coverage	0.7kg/m ² @0.5 mm thick

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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APPLICATION PROCEDURE**SURFACE PREPARATION**

DURAFLOOR SL500 should be applied by specialist applicators whom must follow by the product application guide.

Enclosed light shot blasting and or mechanical grind followed by thorough vacuuming.

MIXING

Pack components are pre-weighed for optimum performance. Never split or proportion packs. Add Hardener B to Base A container. Mix with a high power stirrer (750 rpm) or helical spinner until uniform with time 3 - 4minute.

APPLICATION

Apply **DURAFLOOR SL500** floor topping by trowel or squeegee thoroughly spike roller the **DURAFLOOR SL500** and allow curing. Installation time will vary with site conditions, the areas involved and the system chosen.

METHOD OF APPLICATION

Apply with trowel or squeegee to achieve thickness.

LIMITATIONS

DURAFLOOR SL500 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 is available upon request. If movement or cracking of the substrate take place after application then reflective cracking of the topping may occur. All expansion joints should be maintained in the topping.

DURAFLOOR SL500 should not be applied to the following substrate Asphalt, unmodified sand cement screeds, PVC tiles or tiles.

TEMPERATURES

DURAFLOOR SL500 should not be applied on material or floor temperatures below 10°C. Temperatures should not fall below 5°C in the 24 hours after application.

SUBSTRATE MOVEMENT

All moving joints must be carried through the **DURAFLOOR SL 500** and properly sealed. Construction joints and cracks may be covered but if substrate movement occurs, the **DURAFLOOR SL 500** will reflect the cracks.

CHEMICAL RESISTANCE

	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 on 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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