

DURAFLOOR SL NG

A SELF - SMOOTHENING NON-GASSING EPOXY TOPPING 2-3MM THICKNESS

CEMKRETE®

ISO 9001 & 14000 CERTIFIED

DESCRIPTION

DURAFLOOR SL NG is a seamless, self-smoothing non gassing 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.

Non gassing, Do not leach toxic ingredients after cured; does not contain any amine or ammonia or solvent.

- It meets the requirements of the following international standards.

U.K. : BS 2050

GERMANY DIN: 51953

FRANCE : PTT/TR 02-08

U.S.A : Fed. Spec 101C(method 4046)

COLORS

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



Technical Data :

No Of Component	3
Compressive Strength	50 N/mm ²
Flexureal Strength	20 N/mm ²
Abrasion Resistance	0.15gm/1000gm loading 1000rpm
Recommended Thickness	1 mm
Mixing Ratio	7.2 : 3.8 : 9.0 kg by weight of Part A, Part B and Part C
Packaging	5kg & 20kg
Pot Life	20 min. at 29°C
Estimated Coverage 1mm thick	3.2kg/m ² /2mm

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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LIMITATIONS

If the substrate to which **DURAFLOOR SL NG** is applied cracks or moves after application, reflective cracking of the topping may occur. All floors to receive a **DURAFLOOR SL NG** topping should be protected by means of a damp-proof membrane and not suffer dampness from leaking drains or services. **DURAFLOOR SL NG** alone is not suitable for use on rough floors where the mean surface amplitude exceeds 3 mm. Techniques for levelling the floor surface prior to installation are available upon request.

TEMPERATURE

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

APPLICATION PROCEDURE

Surface Preparation

Substrate should be structurally sound, clean, and free from loose particles, oil, grease and other contaminants. Remove cement laitance, loose particles, and other contaminants from surface by mechanical cleaning preferably stone grinding and followed by vacuuming. If surface is absorbent, dampen the substrate with water before application.

Mixing

Stir each component separately using a high power (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 and Part C add in Part B and mix for 2-3 minutes before use.

Application

DURAFLOOR SL NG 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 RAPID** by roller and allow to cure. Apply **DURAFLOOR SL NG** floor topping by trowel, squeegee or roller. Thoroughly spike roll the **DURAFLOOR SL NG** and allow to cure. Installation time will vary with site conditions, the areas involved and the system chosen.

CHEMICAL RESISTANCE

DURAFLOOR SL NG shows excellent resistance to a wide range of industrial chemicals such as:

Hydrochloric acid	Citric acid (10%)
Sodium Hydroxide (50%)	White spirit
Bleach	Petrol
Urea (sat.)	Skydrol

SPECIFICATION CLAUSE

Floor areas so designated should be covered with an epoxy based 1mm or 2mm thick floor topping consisting of a primer coat and topping **DURAFLOOR SL NG**:

HEALTH & SAFETY

Some of the components of the **DURAFLOOR SL NG** 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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