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# SLG FLOOR COAT

## Epoxy and Polyurethane floor screeds & toppings

- Available in 0.5mm, 1mm, 2mm, 3mm, 4mm, 5mm & 6mm thickness
- Heavy duty abrasion resistant flooring
- Durable, Seamless and Hard wearing
- Protects floor from chemical spillage, oil spillage, dust and physical degradation due to compressive loads in equipment traffic movement
- Extremely easy to clean and maintain dust proof & hygienic atmosphere
- Impermeability to water
- Provides cleaner, healthier, decorative, more pleasant place for working environment
- Wide range of colours available

### SALIENT FEATURES

- Good adhesion. Does not crack or lift up
- Available in matt finish & anti-skid formulations
- Wide Industrial applications in Automobile, Engineering Industries, Pharmaceuticals, Beverage & Food Processing, Electrical & Electronics, Chemical, Information Technology, Interiors, Cold Storage, Steel, Paper, Textiles, Hospitals, Hotels, Printing Press, Dairies & Bottling Plants.

### APPLICATIONS

- Production Floor
- Assembly Area
- Ware House
- Hangers
- Show Room
- Control Room
- Laboratories
- Garage
- Workshop
- Hospital Clean Room
- Conference Hall

### TYPICAL PROPERTIES

Compressive Strength, Kg/cm <sup>2</sup>	: 600 - 900
Tensile Strength, Kg/cm <sup>2</sup>	: 140-180
Flexural Strength, Kg/cm <sup>2</sup>	: 250-350
Abrasion Resistance, mg/cycle	: 0.500
Hardness, R Scale	: 128
Temperature Resistance, °C	: 101
Density	: 1.8

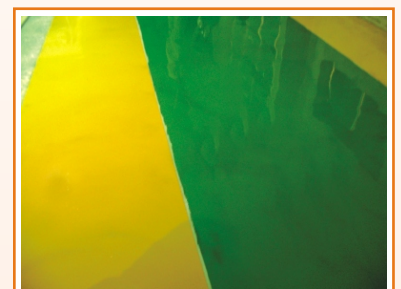
### FACTORS DETERMINING FLOOR COATING SYSTEM

#### Testing of Floor Surface :-

- Ageing, Tapping with hammer for hollow pockets, Basement underneath, Moisture level, Shrinkage cracks, Expansion joints, Surface Roughness, After-treatment method and New Concrete.

#### Other factors :-

- Spillage of oil and Chemicals & its exposure period,
- Static & Dynamic loading
- Type of Personnel & Vehicular traffic, frequency & loads
- Indoor or Outdoor
- Temperature Fluctuation / Thermal Shock
- Cleaning Methods & Frequency
- Appearance (glossy, matt, semi gloss, anti skid)
- Hygienic / Clean room environment
- Down-time
- Ground Water Leakage / Water table/ Dampness
- Anti Static/ Electrical Resistance
- Colour



## APPLICATION INSTRUCTION

Please read general instruction.

## SURFACE PREPARATION

- Long term durability of coating depends upon adhesive bond achieved between the floor coating and the substrate. Hence the substrate surface are required to prepare correctly for the application to achieve mechanically sound, dry and clean surface.
- Hollow sounding areas must be chiseled out and repaired with Monarch POLYPATCH
- Cracks or Holes must be cut out down to the solid floor and repaired
- Newly laid concrete sub floors must be cured for at least 28 days
- Loose cement dust after scouring should be removed by an Industrial Vacuum Cleaner
- Floor contaminated with Oil, Paints, Coatings, Soap etc should be removed by flame spraying (Oil Burning Machine) and top layer of concrete must be scarified to expose sound concrete using rotating impact scarifier or percussion chisels.
- In case of Metal floors it should be grit / sand blasted and the surface has to be protected from renewed rusting by applying Primer

## APPLICATION TIPS

- Moisture level should not exceed 75% RH and it can be checked using Hygrometer or by placing airtight polythene sheet fixed to the concrete for 24 hours.
- Do not mix solvents / thinners at any time
- Mechanical mixing using slow speed stirrer produces a more homogenous mix than hand mixing.

**REPAIR FLOOR DAMAGES :** Use MONARCH POLYPATCH to repair, restore or level any craters, blow holes, spalled surface, undulation etc.,

**COVING :** Use MONARCH Coving Putty to form perimeter edge coving up to a height of 225 mm.

**EXPANSION JOINTS :** Apply MONARCH Expanseal to the required level and epoxy floor coating should discontinue over there.

**FLOOR CLEANING & MAINTENANCE :** Use MONARCH Florklean for regular cleaning and maintenance of epoxy coated floor.

**Note :** The information contained herein, is to the best of our knowledge & accurate. However since conditions of handling and usage are beyond our control, we accept no liability either directly or indirectly. The conduct of test application is always recommended. Due to continual upgradation of products above data is subject to change without notice. This supersedes our previously issued Technical Data Sheets.



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Saves Past...  
Protects Future...

## PRIMING

- Add contents of Primer-Hardener to Primer-Resin and mix thoroughly for at least 3 minutes. Apply thin and continuous film coat using stiff brushes or roller. Over application and puddles should be avoided. Allow the coating to become tack free. If primer is absorbed quickly leaving characteristic light coloured dry patch, it is recommended that a second priming coat is applied to produce non-porous surface.
- Care should be taken for non-absorbent surfaces such as Kota stones, Vacuumed de-watered concrete etc., consult MONARCH on this.

## MORTAR APPLICATION & TOP COAT

- Place the mortar mixture in strips and then spread the mixture rapidly to the increased surface area using saw-tooth trowel. Marks left by trowel are eliminated by going over Spiked Plastic Roller
- Effective measures should be taken during the hardening time so that no foreign material falls on the laid floor which will spoil the look.

## CHEMICAL RESISTANCE

Tests were performed by constant immersion at 20°C and 35°C

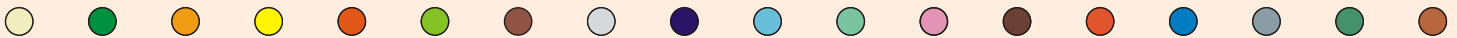
Chemicals	Grade (Attack)
Hydrochloric Acid 35 %	B
Sulphuric Acid 10 %	A
Sulphuric Acid 50 %	B
Citric Acid 10 %	A
Urea Saturated	A
Xylene	A
Sugar Solution	A
Car Oil	A
Distilled Water	A
Nitric Acid 25 %	B
Sulphuric Acid 25 %	B
Phosphoric Acid 50 %	C
Ammonia 10%	A
Butanol	A
White Sprit	A

**A - Unaffected (Excellent)    B - Only attack on Colour (Mild)**  
**C - Discolouration**

## General Instructions :

- In high ambient temperatures and for large volumes compound will cure faster.
- In low temperatures and for small volumes compound takes longer to cure.
- The compound after mixing are to be used within specified pot life. The material stiffened after pot life should be discarded.
- Tools and equipment should be cleaned before skin formation.

**Authorised Dealer :**



• Metal reclamation putties • Crusher backing compounds • High temperature coatings • Ceramic coatings  
• Corrosion resistant coating • Fire retardant coating • Energy saving coatings • Road marking coatings  
• Water proofing • Heat reflective cool roof coatings • Tile jointing compounds • Self fusing insulation tapes • Anaerobic