

## ARACO EPOFLOOR SL 3000

Self-smoothing, solvent-free, epoxy overlay system for concrete floors

### Product Description

ARACO EPOFLOOR SL 3000 is a multi-component, self-smoothing, solvent-free epoxy overlay system for concrete floors, provides continuous protection for concrete floors in light, medium and heavy-duty applications at thickness of between 3 mm and 4 mm

### Applications

ARACO EPOFLOOR SL 3000 is used as:

- Self-smoothing and broadcast systems for concrete and cement screeds with normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages, loading ramps, warehouses, car parks and other traffic decks.
- Pharmaceutical and other medical or laboratory areas.
- Showrooms, Aircrafts and other demonstration areas
- Oil & Gas plants
- Chemicals production filed

### Surface Preparation

The Surface to be laid should be prepared by suitable mechanical process (treble head diamond disk, sandblasting, Shot blasting.. etc.) The Concrete Surfaces should be:

- Dry & stable
- Free of materials that prevent bonding, e.g., dust, loose particles, grease etc.
- Protected from underneath moisture attack <4%
- Floors should be sound, clean and free from contamination such as: oil, grease, paint splashes, laitance, and any loose materials.
- Defects area on the surface should be treated and filled using ARACO EPO repair system.

### Mixing

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously from 1 – 2 minutes until a uniform mix has been achieved, then add the filler and mix for further 1 – 2 minutes until a uniform mix has been achieved.

To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimize air entertainment.



Package: 37.5 kg Kit.

### Product Advantages

- Excellent wear & abrasion resistant
- Easy application
- Easy to clean/Dust Proof
- Smooth high gloss finish for hygienic applications
- Very good general chemical resistance
- Improves the working environment

### Mixing Tools

ARACO EPOFLOOR SL 3000 must be thoroughly mixed using a low-speed electric stirrer (300-400 rpm) or other suitable equipment. For the preparation of mortars use a forced action mixer of rotating pan, paddle or trough type. Free fall mixers should not be used

### Priming

Concrete substrates should be primed with **ARACO PRIME SF145**. The primer should be allowed to cure for 24 hours.

Use roller to apply the primer. For more than one coat may be required for highly porous or textured surfaces.

## Application

Pour the mixed material onto the primed and sealed surface and spread to the required thickness using a pin screed, notched trowel or steel float.

As soon as the material has been spread to the required level, the applied material should be rolled with a spiked roller to release entrapped air and remove trowel marks

## Recommendations

- Concrete floors must have a minimum compressive strength 25 N/mm<sup>2</sup> and maximum concrete relative humidity of 80%.
- Substrate temperature must be 3°C above measured dew point.
- Maximum moisture content of substrate < 4%.
- To maintain the appearance of the floor after application, **ARACO EPOFLOOR SL 3000** must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques, etc. using suitable detergents and waxes.

## Consumption

1.65 kg /m<sup>2</sup> / 1 mm DFT

## Product Data

Composition	Epoxy
Appearance	Mid-grey, light grey, Dark grey, blue, green, red, yellow and other colors related to minimum quantities.
Storage condition	Store in a dry area between 5C and 35C. Protect from direct sunlight
Shelf Life	12 months minimum from production date if stored properly in original unopened packaging.

## Safety Instructions

The product may cause skin irritation. Wear gloves and goggles and apply barrier cream to your hands. In contact with eyes or mucous membrane. flush immediately with plenty of warm water and seek medical attention without delay.

## Technical Data

### All test results @ 23 C and 50% R.H.

Mixed Density	1.65 ± 0.05 kg/ltr	
Solid content	100%	
Abrasion resistance	< 60 (CS 10/1000 cycles/1000g) < 75 (CS 17/1000 cycles/1000g) ASTM D 4060	
Compressive Strength	≥ 60 N/mm <sup>2</sup> ASTM C 579	
Flextural strength	≥ 27 N/mm <sup>2</sup> ASTM C 307	
Adhesion strength:	>1.5 N/mm <sup>2</sup> Concrete failure ASTM D4541	
Chemical resistance	Pass ASTM C267	
Impact resistance	Pass ASTM D2794	
Pot Life	30 min	
Re-coatable time	18 to 36 hr	
Tensile strength	≥ 20 N/m <sup>2</sup>	ASTM D 638

## Chemical Resistance

**ARACO EPOFLOOR SL 3000** has been tested for resistance to the following chemicals through spillage, dripping and splashes, provided that

- regular cleaning/housekeeping must be applied whenever possible:
- Lactic Acid 10% Colour Change
- HCL 18 % Colour Change
- Sodium Hydroxide 50% No effect
- Ammonia 10% No effect
- Butanol No effect
- Citric acid 10% No effect
- Acetic acid 10% No effect.