

ARACO EPOFLOOR SL 1000

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

Product Description

ARACO EPOFLOOR SL 1000 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 1 mm and 2 mm

Applications

ARACO EPOFLOOR SL 1000 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 2 - 3 minutes until a uniform mix has been achieved, then add the filler and mix for further 2 - 3 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: 27 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 1000 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 SF/ 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 a primed, sealed surface then 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.

Recommendations

- Concrete floors must have a minimum compressive strength 25 N/mm² 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 1000** 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

1.55 kg/ m² / 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 | 1.6 ± 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 | ≥ 50 N/mm ² ASTM C 579 | |
| Flextural strength | ≥ 29 N/mm ² ASTM C 307 | |
| Adhesion strength: | >1.5 N/mm ² 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 | ≥ 25 N/mm ² | ASTM D 638 |

Chemical Resistance

ARACO EPOFLOOR SL1000 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.

Legal Notes

The information, recommendations, and application are based on ARACO current knowledge and experience of the products when properly stored, handled, and applied under normal conditions. ARACO products are guaranteed against defective materials and manufacture and sold subject to standard conditions. Users should always refer to the most recent technical data sheet for the product concerned, copies of which will be supplied on request.

More from ARACO

A wide range of construction chemical products is manufactured by ARACO which include:

- Premixed mortar
- Tile adhesives & Grout
- Concrete Repair
- Flooring systems
- Protective Coating
- Waterproofing
- Bonding Agents
- Concrete Admixtures
- Surface Treatments
- Grout & Anchors
- Sealants
- Sports Flooring