

ARACO EPOWALL SF ME (Formerly known as EPOFLOOR SF)

A non-toxic, solvent-free, protective epoxy resin coating

Product Description

Araco EPOWALL SF ME is a non-toxic, solvent-free, protective epoxy resin coating with high strength and advanced composition resistant to abrasion and impact. supplied as a two component material comprising pre-weighted resin and hardener, it requires only on-site mixing to produce an easily applied decorative and chemically resistant finish. Araco EPOWALL SF ME is solvent free and can be used with safety in small rooms or tanks without the need to provide special ventilation. Araco EPOWALL SF ME coatings will not support the growth of bacteria.

Applications

ARACO EPOWALL SF ME is designed for a wide range of the walls such as :

- internal protection of concrete or metal tanks containing drinking water, certain chemicals, oils and fuel.
- High chemically resistance wall and floor coating in food processing plants, hospitals, and pharmaceutical industries.
- Indoor Parking floors, stairs and corridors.

Surface Preparation

Concrete Surfaces:

The Substrate should be

- Dry & stable
- Free of materials that prevent bonding, e.g. dust, loose particles, grease etc.
- Protected from underneath moisture attack <4%
- Concrete age at least 28 days

Product Advantages

- Non Toxic, Solvent Free
- Chemical resistant
- Acid resistant
- Durable
- Easy to clean with smoothy and glossy finish
- Easily applied by brush or roller
- High temperature water resistance



Package: ARACO EPOWALL SF ME is available in 20 Kg packs.

Coverage: 300 gm / m² @ 200 micron

Method of Application:

The Surface to be coated should be prepared by brushing, grinding, milling, sandblasting, Water Blasting, Shot blasting etc.

Mixing

- Add Part B (hardener) to Part A (Resin) and mix thoroughly until a homogeneous mix results.
- Stir the content of each component separately to disperse any settlement.
- Mix with a slow speed rotation <300 rpm for 2 - 3 minutes
- Ensure thorough and complete mixing, Improper mixing may result in product failure.
- Apply the mix onto the primed substrate.

Priming

EPOWALL SF ME is designed to be used without a primer. However, for highly porous substrates, apply one coat of Araco EPOWALL SF ME diluted 10% with solvent.

Applications

Araco EPOWALL SF ME can be applied by brush, roller or airless spray machine. It is recommended that **Araco EPOWALL SF ME** coating be applied in two coats of contrasting colours to ensure complete coverage. The first coat should be applied to obtain a continuous uniform coating. Allow to cure overnight before applying a second coat of **Araco EPOWALL SF ME**, un-diluted, to achieve desired film thickness and maximum adhesion between the two coats.

Notes

- **ARACO EPOWALL SF ME** is applied 24 hours after the primer has initially cured.
- **ARACO EPOWALL SF ME** should not be applied over existing coatings.
- Don't Dilute **EPOWALL SF ME** with solvent or water.
- Don't apply **EPOWALL SF ME** if the temperature is lower than +5C
- Don't apply **EPOWALL SF ME** on hot surfaces or surfaces exposed to direct sunlight.
- Don't apply **EPOWALL SF ME** on dusty substrates
- Application is best carried out when the surface to be coated is above 10°C and when humidity does not exceed 85%.
- The second layer should be applied after the first one has dried, but within 6-24 hours.
- **ARACO EPOWALL SF ME** produces a smooth finish, which can be slippery, especially when wet.

Chemical resistance

- **Araco EPOWALL SF ME** is resistant to the following typically encountered chemicals:
- De-ionised water
- Sodium Chloride, 50% solution
- Phosphoric Acid, 10% solution
- Acetic Acid, 50% solution
- Ethyl alcohol, 20% solution
- Leaded gasoline
- Crude oil
- Sea and brackish water
- Aviation hydraulic fuels (Skydrol)
- Vegetable oils

Technical Data

Mixed Density	1.50 ± 0.05 Kg/L
Solid content	100%
Abrasion resistance	80.6 mg ASTM D 4060
Compressive Strength	≥ 60 Mpa ASTM C 579
Flextural strength	≥ 20 N/mm2 ASTM D 790
Bond strength:	>1.5 N/mm2 Concrete failure ASTM D4541
Chemical resistance	Pass ASTM C267
Impact resistance	Pass ASTM D2794
Pot Life	45 min @ 25 °C
Re-coatable time	6-24 hrs @ 25 °C
Tensile strength	20 MPa ASTM D638
Finished film thickness:	200 microns per coat
absorption & permeability to water CRC-C48	>3 Bar / 300 micron
Substrate temperature	+5 °C minimum / +40 °C maximum

Product Data

Appearance Mid grey, light grey, dark grey, blue, green, red, yellow and other colors related to minimum

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.

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