

# SOPRA Floor S-40

## Solvented Epoxy Floor Coating

### Description

SOPRA Floor S-40 is a two component, high-build, epoxy resin floor coating. It is designed for abrasion resistance against foot and vehicular traffic.

### Uses

- \* Protection of concrete, where a floor topping of high resistance to chemicals is required.
- \* Protective against fumes and spillage of mild acid, alkalis, salts and solvents.
- \* May be used as build or finish coat on the structural steel, piping, etc. Particularly useful as a finish coat due to semigloss finish.
- \* Protection of masonry, plaster, etc. as part of a complete epoxy/polyurethane based system.

### Advantages

- \* Available in a range of colours.
- \* If required, can be made non-slip by using "SOPRA Anti-Slip Grains".
- \* Excellent resistance to a wide range of industrial chemicals.
- \* Provides easily cleaned surface.
- \* Selected colour can be prepared for large quantities.

### Packaging

5,13 and 26 kg pails.

### Storage

12 months storage life when stored in original unopened containers at between 2 and 35 °C in a dry and shaded place.

### Properties

Form	Liquid
Volume solids, %	60
Specific Gravity	1.35
Pot life @ 35 °C, hr.	2
Time between Coats @ 35 °C, hr.	1-3
Dry time @ 35 °C, hr.	1-3
Full cure @ 35 °C, days	4
Coverage, m <sup>2</sup> /Kg (2 coats) @ 50% solids, 50 - 100 micron, wet	2.9-4.4
Chemical Resistance	
Sulphuric Acid 10%	Excellent
Hydrochloric Acid 10%	Excellent
Oil	Excellent
Acetic Acid <10%	Excellent
Ammonium Hydroxide 20%	Excellent
Sodium Hydroxide 10%	Excellent
Detergent 5%	Excellent
Butanol	Good
Distilled Water	Excellent
Sugar Solution (Saturated)	Excellent
Ammonium Chloride (Saturated)	Excellent
Sodium Chloride (Saturated)	Excellent
Fruit Juices	Excellent
White Spirit	Good
Xylene	Good
Petrol / Kerosene	Excellent
Carbon Tetrachloride	Good

### **Application Instructions**

#### Surface Preparation

**SOPRA** Floor S-40 is applied to sound, clean and dry substrates in order to achieve maximum adhesion between **SOPRA** Floor S-40 and substrate. New concrete floors should be at least 28 days of age. Laitance can be removed by either **SOPRA** Acid H or by sand blasting. Oil and grease can be removed by using **SOPRA** Degreaser or by steam cleaning.

#### Mixing

Mix the contents of each can. The entire contents of the smaller can (Hardener) should be poured into the base container and the materials should be mixed for at least five minutes by mechanical mixer using a slow speed (350-550 rpm) mixing paddle. Insufficient mixing may lead to colour mismatch.

#### Application

Apply the mixed **SOPRA** Floor S-40 to the prepared surface making sure a continuous film is achieved using a paint brush or good quality roller. The optimum wet film thickness of 150 microns is achieved in two coats.

### **Precautions**

#### Health and Safety

**SOPRA** Floor S-40 is non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

### **Technical Support**

**SOPRA** provides on-site assistance and consulting services on projects when requested. Technical data sheets on other **SOPRA** products and guidance on their use are available on request.

### **Warranty**

**SOPRA** products are guaranteed against defective materials and manufacture and sold subject to **SOPRA** standard terms and conditions of sale. Whilst **SOPRA** endeavours to ensure that any advice, information or recommendation given is correct, the company can not accept any liability either directly or indirectly arising from the use of its products, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. **SOPRA** policy is one of continuous improvement and the company reserves the right to change its products without prior notice.