

SOPRA FLOOR S30

Water Based Epoxy Floor Coating

SOPRA FLOOR S30 is a two component water dispersed epoxy resin and curing agent. supplied in pre-weighed quantities, it comes as a ready to mix two component system.

USES

* Protection of concrete of asphalt floor coating where high resistance to chemicals is required. Good for abrasion resistance. Protection against fumes and spillage of mild acid.

* Alkalis, salts and solvents. May be used as build or finish coat on structural steel, piping etc. Particularly useful as a finish coat due to semi-gloss finish. Protection of exposed steel work. Protective of masonry, plaster, etc. as part of a complete epoxy polyurethane based system.

ADVANTAGES

* Attractive. Available in range of colours.
 * Non-slip by using **SOPRA** ANTISLIP GRAIN.
 * Low maintenance costs, durable.
 * Excellent resistance to wide range of industrial chemicals.
 provides easily cleaned surfaces.

COLOURS

Grey, Brick red, Green, White a Clear.
 Any colour can be prepared for a large quantity.

PROPERTIES

	at 20oC	at 35oC
pot Life	4 hours	2 hours
Cure Time	3-5 hours	1-3 hours
Time between coats	3-5 hours	1-3

Initial Hardness	1 Day	1 Day
Full Cure	6 Day	5 Days
Volume Solids	5%	
Specific Gravity	1.35kg/ Litre.	
Flush Point	Water base product	Non Flameable.
Product weight	1.35kg/ Litre.	

CHEMICAL RESISTANCE

ACIDS

Sulphuric Acid	10-30%	Excellent
Hydrochloric Acid	50-50%	Excellent
Lactic Acid	5-10%	Excellent
Acetic Acid	5-10%	Excellent

ORGANIC LIQUIDS

Petrol	Excellent
XY 101	Good
White sprit	Good
Acetone	Poor
Methyl ethylacetone	Poor
Carbon Tetrachloride	Good
Skyadrol	Good.

ALKALIS

Ammonia	5-20%	Excellent
Sodium Hydroxide	5-20%	Excellent
Detergent	5%	Excellent

AQUEOUS SOLUTIONS

Distilled Water	Excellent
Sugar Solution	Excellent
Ammonium Chloride	Excellent
Fruit Juice	Excellent

SURFACE PREPARATION

SOPRA FLOOR S30 shall be applied to sound clean and dry substrates in order to achieve maximum adhesion between the S30 and substrate.

New concrete floor should be at least 28 days of age. Laitence can be removed by either **SOPRA ACID H** which is an acid etching agent 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 hardener can should be poured into base container and the materials should be mixed for at least 5 minutes by a mechanical mixer using a slow speed (350-550 rpm). Mixing paddle is recommended. Insufficient mixing may lead to colour mismatch.

COATING

Apply the mixed **SOPRA FLOOR S30** to the prepared surface making sure a continuous film is achieved using a standard paint brush and a good quality roller. The optimum wet film thickness of 150 microns is achieved in two coats.

COVERAGE

Theoretical coverage 4.0-6.0 m²/ Litre or 9.0-4.4 m²/kg. (based on "V.S." of 50% and Thickness of 100 to 150 microns).

MIXING RATIO:

4 parts by volume Base component "A" 1 part by

volume

Hardener component "B"

PACKAGING

20kg/pail or 5kg/ can.

STORAGE

store in cool dry place.

SHELF LIFE

12 months shelf life if stored below 35oC.

HEALTH & SAFETY

Some people are sensitive to resins. Gloves, protective clothing and eye goggles are recommended. If accidental contact with resin occurs, clean immediately with a proprietary removal cream and do not use solvent. Should any eye accident occur wash immediately with water and seek medical attention at once. Avoid breathing the vapours. Working areas should be well ventilated.