

# SOPRA Anchor 1000

## Epoxy Resin Anchoring and Bedding Grout

### Description

SOPRA Anchor 1000 is a 100% solids epoxy resin anchoring and bedding grout. It has been formulated using epoxy resin and graded aggregates to provide high anchoring strengths.

### Uses

- \* Anchoring of bolts and bars between 15-60 mm diameter in concrete, brickwork, masonry and rock.
- \* Installation of reinforced concrete starter bars, foundation bolts and railway tracks.
- \* Anchoring for cranes, towers and dock sills.
- \* High speed bedding operations for early application of loads.

### Advantages

- \* Good flow characteristics.
- \* Suitable for dry and damp surfaces.
- \* High adhesive and compressive strengths.
- \* Excellent impact and abrasion resistance.
- \* Solvent-free
- \* Quick early strength development.

### Standards Compliance

BS 5080  
BS 2782  
BS 4551

### Packaging

1kg, 5kg and 10 kg kits.

### Storage

12 months storage life when stored in original unopened containers at below 25 °C in a dry and shaded place.

### Properties

Colour	Beige
Density @ 20 °C, kg/l	1.9
Pot life @ 35 °C, 50 % R.H., min.	30
Compressive strength, N/mm <sup>2</sup>	80
Shear strength, N/mm <sup>2</sup>	30
Coverage, m <sup>2</sup> /Kg @ 1 mm thickness	0.5

### Performance Guidelines

Temp. °C	20	30	40
Setting time, min	90	50	20
Minimum time before loading, hr.	8	4	2

### Chemical resistance

Acetic acid 5 %	Good
Citric acid 10 %	Excellent
Hydrochloric acid 25 %	Excellent
Lactic acid 10 %	Good
Nitric acid 10 %	Good
Sulfuric acid 10 %	Excellent
Tartaric acid 10 %	Excellent
Sodium hydroxide 50 %	Excellent

Diesel fuel/petrol	Good
Grease	Excellent
Hydrocarbon solvents	Good
Salt water	Excellent

### Application Instructions

#### Surface preparation

The area to be grouted with **SOPRA** Anchor 1000 should be clean, free from standing water and all contaminants such as oil, grease, laitance, paint, or corrosion products. Any contamination should be removed by mechanical means to produce a sound substrate.

#### Mixing

**SOPRA** Anchor 1000 should be mixed by a low speed electric drill fitted with a suitable paddle. Components A and B should be mixed for 1 minute and then Component C (aggregate) added slowly. Mix all the three components for about 5 minutes to achieve a homogeneous consistency of uniform colour.

#### Application

Apply the mix **SOPRA** Anchor 1000 by pump or hand.

#### Cleaning

Tools contaminated with **SOPRA** Anchor 1000 can be cleaned using **SOPRA** Solvent III. Hardened grout can only be removed by mechanical means.

#### Limitation

**SOPRA** Anchor 1000 will not cure adequately below 5°C or above 50°C. In cold weather, it is advisable to keep the resin in a warm environment prior to application to help mixing and application.

### Precautions

#### Health and Safety

**SOPRA** Anchor 1000 is non-hazardous. However, it should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles should be worn. Splashes on the skin should be removed with water. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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 the company products without prior notice.