

SOPRA COAT PROOF

Description

SOPRA COAT PROOF is a one component based on cement modified with special alkali-resistant polymers to produce a cementitious waterproof coating suitable for internal and external applications. **SOPRA COAT PROOF** is suitable for application by roller, brush or trowel.

Recommended Uses

SOPRA COAT PROOF is suitable for the following applications:

- Showering area
- Internal wet areas
- Planter boxes
- Water retaining structures
- Reservoirs
- Swimming pools and wading pools
- Under tile waterproofing.
- Foundations
- Chloride and carbon protection

Features and benefits

- One-Component, only water needs to be added.
- Adjustable consistency, easy to apply by roller or brush.
- Easy Application.
- Solvent free (Low VOC).
- Breathable, water vapor preamble.
- Safe for potable water.
- Does not support the growth of mold & mildew.
- Waterproof, suitable for water retaining structure.
- Suitable for internal and external applications.
- UV resistance properties
- Can be applied on damp substrates.

Standards Compliance

SOPRA COAT PROOF complies with BS EN 1504-2: 2004

Packaging

SOPRA COAT PROOF is available in 25kg moisture resistance bags and pallets of 1.5 tons.

Storage

SOPRA COAT PROOF has a shelf life of 12 months. Store away from direct sunlight, protected from rainfall.

Properties

Appearance	Grey/White powder
Wet density	1830kg/m ³
Coverage (Approx.)	1.5 kg/m ² /mm

Technical Information

SOPRA COAT PROOF	
Pot life (approximate)	60 mins @ 25°C & 60% RH
Application Temperature	+5° C to +35° C
Service Temperature	-5° C to +45° C
Water Permeability @ 2mm thickness: (EN 12390-8)	<1%
Tensile Adhesion Strength @ 2 mm thickness: (EN 1542)	≥ 1.0 N/mm ²
Compressive strength: (ASTM C109)	≥ 15 MPa @ 28 days

Mixing Ratio	
Application Method	Water dosage
By roll	8 Ltr per 25 kg bag
By brush	7.5 Ltr per 25 kg bag
By trowel	6.5 Ltr per 25 kg bag

Application Instructions

a) Surface preparation

The concrete surface should be free of frost, curing membranes, oil stains, grease, paint and dust. The surface in which **SOPRA COAT PROOF** should be chipped and water leakage should be drained and plugged before application. The area in which it will be waterproofed should be soaked with water a couple of times 24 hours prior to coating to minimize

absorption and clean the substrate from any contaminates. The surface should be damp but free of standing water.

b) Mixing

SOPRA COAT PROOF should be mixed with a low speed (500 rpm/min) hand drill mixer, adding the right quantity of water according to the respective application. Once a homogeneous mix is obtained, continue mixing for 2-3 min. The mortar must be homogeneous and lump free. Each bag must be entirely mixed, to avoid faulty particle size distribution of aggregates contained in the powder component.

* **SOPRA** recommends the use of **SOPRA Bond SBR** for an increase in the adhesion strength of the product and to avoid the damping after application.

c) Application

SOPRA COAT PROOF should be applied within 45 minutes after mixing. Apply the mixed material onto the prepared surface using a longhaired brush or roller in a stiffing action. In order to achieve imperviousness of the membrane at least two coats to be applied to seal any pores and micro cracks. Apply second coat after the first one is dry, at right angle to the previous coat. Prevent the material from building up too thick in one application.

d) CLEANING OF TOOLS

Tools and application equipment should be cleaned with water immediately after use. Hardened material can only be mechanically removed.

Precautions

SOPRA COAT PROOF is non-hazardous material. It should not be swallowed or come in direct contact with skin or eyes. Suitable protective glasses and gloves should be worn during application. In the case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice if irritation occurs. When contact with skin occurs, wash off immediately with clean water and soap. If swallowed, seek medical emergency immediately, do not induce vomiting.

Technical Support

Sopra provides on-site assistance and consultation services on projects if required. Technical Datasheets on other **Sopra** products and guidance on their use are available on request or on our website.

Warranty

The information relating to the application and end-use of **Sopra** products, are provided in good faith based on **Sopra's** current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with **Sopra** recommendations. In practice, the differences in substrates and actual site conditions are such that no warranty in respect of sale for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must do their test to insure that the product is suitability for the intended application and purpose. The company reserves the right to change the properties of its products without prior notice.