

SOPRA FLOOR SEAL

Description

SOPRA FLOOR SEAL is a silane-terminated binder based on silane technology for the impregnation of mineral substrates or as a thin layer coating for mineral substrates.

Recommended Uses

SOPRA FLOOR SEAL a-silane terminated polyether represents a noteworthy group of moisture curing binders that do not require tin catalysis. **SOPRA FLOOR SEAL** is a transparent, low viscosity binder. Primarily, cure via amines is recommended, with particular focus on amino-silanes. Pot life as well as speed of through-cure can be adjusted by the amino-silane loading.

Features and benefits

- Low viscosity
- Solvent and plasticizer free
- Easy handling and dosing
- Resistant to moisture
- Cure without tin catalyst
- Non-labeling

Standards Compliance

SOPRA FLOOR SEAL satisfies the requirements of British Standards.

Packaging

SOPRA FLOOR SEAL is available in and 20 Liter Gallon or 200 Liter Pail

Storage

SOPRA FLOOR SEAL has a shelf life of 12 months. Store in a dry place, away from direct sunlight.

Product data

General Characteristic	Results
Appearance	Clear/Transparent
Flash point	>100 °C
Density	1150 kg/m ²
Viscosity	Approx. 70 mPa.s

Application Instructions

a) Surface preparation

The surface of the substrate must be strong and clean of any contaminations such as oil, grease, rust and curing compounds. Existing cracks and spaces should be treated before application.

It is recommended that the surface is clean with high pressure water jet to remove any loose materials.

b) Application

Formulations based on Sopra's are applied for stain-resistant impregnation and coating of mineral substrates, e.g. polished or non-polished concrete floors, paving stones, clinker, bricks and natural stone. Additionally, **SOPRA FLOOR SEAL** can be used as a wood coating binder for interior use, e.g. parquet flooring and furniture. For the impregnation of absorbent substrates **SOPRA FLOOR SEAL** is treated with 5 % of the catalyst. If necessary the viscosity of the formulation can be reduced by the addition of 20 - 30 % of a solvent. The layer thickness should not exceed 100 µm to ensure full and complete cure. Cure is usually complete after 12 h. In the case of higher absorbent substrates a second coating is recommended. In the case of coatings it is recommended to add UV stabilizers since even for interior use UV exposure cannot be excluded. Further formulating components comprise rheological additives and matting agents. Additionally, pigmented and filled coatings are equally possible with **SOPRA FLOOR SEAL**. The binder content will be up to ~ 40 %. The catalyzed formulations are sensitive towards moisture, however, stable in sealed packaging for at least 1 year.

SOPRA FLOOR SEAL imparts high stain-resistance when applied as an impregnation or as a coating (e.g against stains like coffee, tea, ketchup, orange juice, ink, red wine, household and engine oils etc). Surfaces exhibit high strength, are exceedingly scratch-resistant and impervious to typical cleaning agents.

c) CLEANING OF TOOLS

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

Precautions

SOPRA FLOOR SEAL 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 of 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.