

# EPO FLOOR GUARD

Silane Terminated Pigmented Floor Coating



## DESCRIPTION

**EPO FLOOR GUARD** is a silane-terminated ready to use pigmented coating based on  $\alpha$ -silane technology for the impregnation of mineral substrates or as a thin layer of coating for concrete floor and wood.

$\alpha$ -silane-terminated polyether represent a noteworthy group of moisture curing binders that do not require tin catalysis.

## USES

Formulations based on **EPO FLOOR GUARD** are recommended for both interior and exterior applications such as;

- Stain-resistant impregnation and coating of mineral substrates, polished or non-polished concrete floors, paving stones, clinker, bricks and natural stone.
- Additionally, **EPO FLOOR GUARD** can be used as a wood coating binder for interior use, e.g. parquet flooring and furniture.

## ADVANTAGES

**EPO FLOOR GUARD** is characterized by:

- Low viscosity
- Solvent and plasticizer free
- Easy handling and dosing
- Resistant to the effects of long term UV weathering.
- Resistant to moisture

## PRODUCT DATA

<b>Form</b>	Liquid
<b>Colour</b>	Grey
<b>Density@ 25<sup>0</sup>C</b>	1.50 ± 0.1 g/cm <sup>3</sup>
<b>Viscosity@ 25<sup>0</sup>C</b>	> 1300 cPs
<b>Layer thickness</b>	1 <sup>st</sup> coat (dft) – 80 to 100 Micron 2 <sup>nd</sup> coat (dft) – 75 Micron
<b>Consumption*</b>	1 <sup>st</sup> layer- 0.120 - 0.150 kg/m <sup>2</sup> 2 <sup>nd</sup> layer- 0.110 kg/m <sup>2</sup>
<b>Packing</b>	20 Kg
<b>Shelf Life</b>	12 months dry and cool, without opening package

Important note:-Total layer thickness must not exceed 200 microns.

## INSTRUCTION FOR USE

### SURFACE PREPARATION

Application of **EPO FLOOR GUARD** as impregnation or floor coating, the surface must be dry and clean. To define the optimum amount and to check applicative behavior it is recommended to prepare a separate test surface. The material can be applied with a cleaning mop, shorthair roller or a brush. Airless spray application is equally possible.

### APPLICATION

The layer thickness should not exceed 100 $\mu$ m/coat to ensure full and complete cure. Depending on the absorbency behavior of the substrate ~ 0.120 – 0.150 kg/m<sup>2</sup> are typically required for the first coat and for second layer (after 18 to 24 hours), by far a lower amount of material will be needed (~ 75 %) of first coat to attain a homogeneous good finish.

The open time of the formulation examples outlined here is ~ 30 min depending on temperature and humidity. Treated surfaces are trafficable and durable after 24 hours of final Application

**Note:-** Do not use material more than the recommended. This will results in reduced hardness and longer curing time.



### STORAGE

Store in a dry and cool place. Protect against moisture. Store container in a well-ventilated place.

**EPO FLOOR GUARD** formulations are sensitive towards moisture, however, stable in sealed packaging for at least 1 year.

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Ver 01/21

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## HEALTH AND SAFETY

**EPO FLOOR GUARD** should not come in contact with skin and eyes or be swallowed. Avoid prolonged inhalation of vapors.

Some people are sensitive to product, gloves, goggles and a barrier cream should be used. Ensure adequate ventilation and if working in enclosed areas use suitable breathing apparatus.

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