

TIERRAFINO PROTECT – TECHNICAL DATA SHEET (TDS) (v.2022.02)

Use

Tierrafino PROtect is a Biobased Coating for natural clay and lime paints and plasters. Tierrafino PROtect is a vapor-permeable natural impregnating agent for natural mineral surfaces, made of lime and clay. Tierrafino PROtect can be applied to both vertical and horizontal substrates. The product is intended for industrial, professional and/or private use.

Packaging, Mixing ratio and storage

Packaging

HDPE jerrycan 1 litre, 5 litre and 20 litres.

If not used for other purposes, the packaging can be returned to Tierrafino or Impershield Europe after use. For larger quantities, these can be picked up; inquire about the conditions with your contact person.

Mixing Ratio

Tierrafino PROtect is delivered ready to use.

Storage

In the original, closed packaging, stored in a cool and frost-free place, for at least 12 months.

Product specifications

Trade name:	Tierrafino PROtect
Chemical name:	Natural copolymer, similar to acryl styrene.
Chemical family:	Styrene Copolymer
Synonyms:	Acrylic resin, Styrene
Physical state:	Transparent liquid
Odour:	Almost odourless to slightly sweet (indefinable)
pH value:	7,5- 9,5
Boiling point/boiling range:	100 ° C
Flash point:	N/A
Evaporation Rate:	N/A
Lower explosion limit:	N/A
Upper explosion limit:	N/A
Vapor Density:	0,62 (water) (air = 1)
Relative density:	1,0 gr./cm ³ (@ ca. 22 ° c)
Solubility(ies):	In water 17 mm Hg (water) in all proportions
Spontaneous auto-ignition temperature:	N/A

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Molecular Weight:	N/A
Volatility Percentage:	N/A any form of water vapor

Preparation

Before applying the impregnating agent, the substrate must be properly cleaned of dirt. The surface to be treated must be thoroughly dried before the product is applied.

Application

Conditions for use

Make sure the temperature is between 5 °C and 30 °C during application and drying. After application, care should be taken to ensure that the treated surface remains dry for at least 24 hours, preferably 24 hours; getting wet during drying reduces the effectiveness of the treatment.

Application methods

The product is most effectively applied with a low-pressure sprayer. It is also possible to apply with a brush, roller, or sponge.

Instructions for use

- Shake well before use
- Make sure the surface is dry and free from dirt
- Work from top to bottom
- Apply the first layer in such a way that the entire surface to be treated is slightly moistened; saturating the substrate should be avoided.
- Leave the product on for about 1 hour.
- Apply a second coat; prevent droplet formation on the substrate.
- Allow the agent to dry (polymerize) for 24 hours and avoid wetting the surface.

Consumption

The consumption of the impregnating agent strongly depends on the absorbency of the substrate. The return varies depending on the structure. Experience shows that with 1 litre of agent, approx. 10m² can be treated on a coarse surface and approx. 13m² on a smooth surface.

Adjacent surfaces

Make sure that adjacent surfaces, such as wood or glass, are cleaned with a damp cloth immediately after applying the impregnating agent. The agent has no etching effects but can adhere to adjacent parts.

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Safety

The product is safe to work with, non-toxic to humans or the environment. We recommend using eye protection and minimizing direct skin contact.

Further information can be found in the material safety data sheet (MSDS).

Tools cleaning

After use, you should immediately clean the tools used with lukewarm water.

Contact details

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DISCLAIMER

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