

TECHNICAL DATA SHEET

ECO PRIMER

A division of ETS Europe.



Silicate Systems

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PRODUCT INFORMATION

DESCRIPTION:

ECO Primer is an innovative solvent-free deep penetrating primer to reduce the absorbency of mineral substrates.

COLOR:

The original colour of **ECO Primer** is milky white.



PROPERTIES AND BENEFITS

- Environmentally friendly
- Very low emission EMICODE EC 1^{PLUS}
- Water vapor permeable
- Increases the strength of porous substrates
- Reduces the capillary absorbency of the substrate
- Improves the adhesion on the substrate
- Dust-binding
- Prevents bubble formation in subsequent coatings

RANGE OF USAGE

- For indoor and outdoor use
- For the subsequent processing of industrial floor coatings (ECO Silicate Systems product line), self-leveling compound (**ECO SL MORTAR**), mineral adhesives and fillers
- As an impervious layer for subsequent thin film coverings on absorbent and mineral substrates.
- Temporary brake drying on fresh concrete
- Temporary impregnation
- As a Wall Paper underground.

TECHNICAL INFORMATION

Property	Specification
Basis	Aqueous dispersion
pH-value	8 - 9
Organic solvents	None

Head office

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Density	1 kg/L
Consumption	Depending on substrate
Concrete/ Screed:	0.15 - 0.35 g/ m ²
Self-leveling compounds:	0.15 – 0.25 g/ m ²
Drying time:	approx. 2 h at 20°C/ 50% RH*
Necessary number of applications	Min. of 2

* = higher temperatures shorten, lower temperatures extend the time specified

The information above is given based on our experiences. Adjustment may be required in case of object specific fluctuations.

PREPARATION OF SUBSTRATE

Prior to application ensure that the underground is dry, dust-free, clean, and free from other substances that could lead to separation before coating. Depending on the intended system to be applied, it is advisable to perform a mechanical surface preparation, for example by blasting. The concrete surface should be dry before application of the primer. The application of the primer has to be done at least 2 hours before the subsequent coating. In case of previous leveling work with **ECO SL MORTAR**, the mortar has to cure at least 24 hours before the substrate can be primed with **ECO PRIMER**. The waiting time for subsequent coatings is approx. 3 hours. The coating work on the primer with **ECO SL MORTAR** or **ECO RAPID** products has to be finished within 6 hours.

APPLICATION

Apply **ECO PRIMER** twice with roller or brush on the substrate surface. First application needs to be diluted with maximum of 1:1 with clean water in the presence of highly porous undergrounds. The second should be applied in undiluted form. Avoid puddles. It is important to ensure sufficient adhesion for extremely absorbent substrates.

For applications on big floor areas the flooding procedure is recommended for fast and effective priming of the substrate. Therefore, **ECO PRIMER** is poured out in strips followed by distribution with a rubber squeegee. Afterwards roll the surface with a short fiber paint roller to absorb and to distribute excess material. Avoid puddles. Use a suitable brush to remove excess material in existing holes or ruptures. Depending on the depth of the respective gaps, it is recommended to fill all existing cavities with **ECO REPAIR** to create an even surface for the subsequent coating.

In case of wall applications use a long fiber paint roller for distribution of **ECO PRIMER**. Possible existing ruptures can be filled with eco repair. Surfaces which were filled with eco repair have to be primed twice to adjust the surface absorbency. Please refer to the respective technical data sheets for more information about the listed products.

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TOOLS AND CLEANING

Brush, wide brush, paint roller or spraying device.
All equipment should be washed clean and dried before and after application.

PACKAGING AND STORAGE

Packaging: 5 or 30 L canisters. Container available on request.
Storage: 6 months in original packaging and in a dry and controlled temperate environment (not below 0 °C).
Reseal opened containers immediately and use within a very short time.

SAFETY, ECOLOGY AND ELIMINATION

Please refer to the Material Safety Data Sheet which can be requested on www.ets-europe.be for further information on safety during transportation, storage, handling and disposal. Follow instructions on the packaging.

The content of this technical data sheet corresponds to the latest development and our applications experience. All information is based on ideal conditions and therefore does not apply for every application purpose. Due to different materials, substrates and different actual site conditions no warranty is given for the customer's application. In particular, we assume no liability based on this information or any verbal statements.

The only exception is when we can be blamed for the case of intent or gross negligence. In that case the customer has to prove that he has transmitted all required information completely and in a timely manner for a proper and promising evaluation by ETS Europe. Any further details regarding the application of our products have to be confirmed in writing by ETS Europe. The customer must test the product's suitability for the intended application and purpose. We reserve the right to change the product specifications due to the ongoing development. Apart from that our general terms and conditions are valid. This data sheet supersedes all earlier technical data on this product. The technical data sheet can be requested on www.ets-europe.be.

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