

TECHNICAL DATA SHEET

ECO HYDRO GLASS



A division of ETS Europe.

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PRODUCT INFORMATION

DESCRIPTION:

ECO HYDRO GLASS is an innovative silicate impregnation and a subsoil consolidation. It protects against moisture in masonry and concrete.

COLOR:

The original color of ECO HYDRO GLASS is transparent.

PROPERTIES AND BENEFITS

- Good chemical & salt water resistance
- Silicate-technology
- Protection against penetrating water in case of cracking
- Water vapor permeable
- Made with alternative materials that have a low CO2 footprint
- VOC-free, odorless
- Reduces surface abrasion
- Protection against efflorescence
- Prevents algae growth on mineral substrates

RANGE OF USAGE

ECO HYDRO GLASS is suitable in areas with high mechanical and chemical stress. It is ideal for indoor and outdoor use; for impregnation of porous, absorbent and sandy surfaces like concrete, screed, masonry and other cementitious substrates. ECO HYDRO GLASS protects permanently against ground water, salt water and strong chemical stress. It can be used as sealant against penetrating moisture on walls. It can be used to prepare hydrophobic surfaces.

TECHNICAL INFORMATION

Property	Specification
pH-value	11.9
Viscosity	< 100 mPas
Organic solvents	None

Headoffice

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Density	1.1 g/cm ³
Consumption	0.15-0.4 kg/m ² , depending on substrate.
Processing temperature	Min. 5 °C, max. 55 °C
Max. admitted air humidity	Max. 80% r.H.
Necessary number of applications	1-2, with a time span of 10 min between.

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

PREPARATION OF SUBSTRATE

The substrate has to be absorbent, free of dust, loose parts, oils, fats and other impurities. Chalk and sandy components must be removed before the solidification using an efficient industrial vacuum cleaner. Coatings and/or render should be stripped off. Concrete and other cementitious substrates must have a minimum age of at least 2 days.

APPLICATION

ECO HYDRO GLASS needs to be applied undiluted with brush, roller or spray up to saturation of the dry underground. Mix in a ratio of 1:1 with water on highly absorbent and fine pored substrates. Diluted material should be applied twice wet on wet. The surface should not be dried off between coatings. Surpluses are to be avoided. Protect the treated areas from rain and condensation at least 24 hours during which the solidified surface may not be coated or treated. Cover the freshly applied surface air-permeably. After 7 days, an air-tight cover is possible. Dry for at least 6 hours and avoid temperatures below the dew-point.

Attention: When ECO HYDRO SIL is applied in combination with ECO HYDRO GLASS, ECO HYDRO SIL has to be applied first. After sufficient drying (surface should not be wet) the subsequent coating with ECO HYDRO GLASS has to be applied. For optimal results, both coatings have to be applied within one day. Furthermore it has to be attended that due to the combination of both products the treatment with ECO HYDRO GLASS has to be taken into account. Depending on the substrate, an excess of one of these products could lead to an optical impairment of the surface. For further information about application of ECO HYDRO GLASS please refer to the technical data sheet of ECO HYDRO GLASS.

TOOLS AND CLEANING

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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.

Storage: 12 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

ECO HYDRO GLASS is an alkaline liquid. Please refer to the Material Safety Data Sheet (MSDS) for further information on safety during transportation, storage, handling and disposal. Follow instructions on the packaging.

In case of decorative surfaces a small sample should be created on an uncritical position at least one day before application. Do not apply on non-absorbent surfaces. Please protect glasses, glass, tiles, clinker and similar from splashing material! Aluminum may not come in contact with the material. Impurities have to be washed off immediately with water. With each interruption of work the tools have to be cleaned.

It is important to ensure that no ECO HYDRO GLASS reaches the surface prior to application. Also clean footwear should be worn during application to avoid contamination on fresh applied surface.

The content of this technical data sheet corresponds to the latest development and our applications experience. All other details can be confirmed by ETS-Europe. The correct and therefore successful application of our products is not within our control. Therefore, a guarantee can be given only for the quality of our products. This technical data sheet replaces all earlier technical data on this product. Our employees and/ or distributors going beyond the information provided in this data sheet, must have a written confirmation. We reserve the right to change the product specifications due to technical progress.

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