ECO HYDRO GLASS

Innovative silicate impregnation

Class I	< 7.5%	150–400 g/m²	1–2
PENETRATION DEPTH, <10MM	WATER ABSORPTION COEFFICIENT	CONSUMPTION, CONCRETE/SCREED	APPLICATIONS NEEDED

PROPERTIES AND BENEFITS

- Silicate technology
- Protection against penetrating water in case of cracking
- Waterproofing against saltwater, acid, sewage water and other chemicals
- Made with alternative materials with a low CO2 footprint
- Odourless
- Protection against efflorescence
- Good chemical & saltwater resistance
- Water vapour permeable
- Solidifies the substrate and increases chemical resistance via durable silicate structures
- Very low emission EMICODE EC1 PLUS
- Reduces surface abrasion
- Prevents algae growth on mineral substrates

DESCRIPTION

Eco Hydro Glass is an innovative silicate impregnation and subsoil consolidation that protects against penetrating moisture in masonry and concrete.

COLOUR

Transparent.

RANGE OF USAGE

For indoor and outdoor use, impregnation of porous, absorbent and sandy surfaces (concrete, screed, masonry, and other cementitious substrates), preparation of hydrophobic surfaces, permanent protection against ground water, salt water and strong chemical stress, as a sealant against penetrating moisture on walls, and in areas with high mechanical and chemical stress.

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Technical information

COMPOSITION

Basis	Inorganic
pH value	11.4
Viscosity	< 100 mPa
Organic solvents	None
Density	1.1 g/cm³

CONSUMPTION

Concrete / screed	150–400 g/m²
Self-levelling compounds	15–30 g/m²

APPLICATION CONDITIONS

Processing temperature	min. 5 °C, max. 55 °C
Max. admitted air humidity	max. 80% r.H.
Necessary applications	1–2, 10 min apart

PACKAGING AND STORAGE

Packaging	5 or 30 L canisters
Storage	12 months

Store in original packaging, in a dry and controlled temperate environment (not below 0°C). Reseal opened containers immediately. The information above is given based on our experience. Adjustment may be required in case of object-specific fluctuations.

PREPARATION OF SUBSTRATE

The substrate must be absorbent, free of dust, loose parts, oils, fats and other impurities. Chalk and sandy components must be removed before solidification using an efficient industrial vacuum cleaner, and existing coatings or render stripped off. Concrete and other cementitious substrates must be at least 14 days old.

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Application

CONCRETE AND SCREED

Apply undiluted with brush, roller or spray up to saturation of the dry underground. On highly absorbent and fine-pored substrates, mix 1:1 with water and apply diluted material twice, wet on wet, without letting the surface dry between coatings; avoid surpluses. Protect treated areas from rain and condensation for at least 24 hours, during which the solidified surface may not be coated or treated. Cover the freshly applied surface air-permeably; an air-tight cover is possible after 7 days. Dry for at least 6 hours, avoiding temperatures below the dew point.

> **Note**
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> When combined with Eco Hydro Sil, apply Eco Hydro Sil first; once dry (the surface should not be wet), apply Eco Hydro Glass. Both coatings should be applied within one day for optimal results. Depending on the substrate, an excess of either product could impair the surface's appearance.

SELF-LEVELLING COMPOUNDS

On fine-grained, dense substrates such as Silicate Systems self-levelling floor products, pre-wet the surface with clear water using a microfibre mop, then apply Eco Hydro Glass wet-in-wet with a low-pressure sprayer, immediately distributing it uniformly in one direction with a microfibre mop so the whole surface is wetted. Keep the mop from running dry for a uniform, stripe-free application, and avoid puddles or large supernatants.

TOOLS AND CLEANING

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

NOTE

In case of decorative surfaces, create a small sample on an uncritical position at least one day before application. Do not apply on non-absorbent surfaces. Protect glass, tiles, clinker and similar from splashing material; aluminium may not encounter the material. Impurities must be washed off immediately with water, and tools cleaned at every interruption of work. Ensure clean footwear during application to avoid contaminating the fresh surface.

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Notes, safety and declaration of performance

SAFETY, ECOLOGY AND ELIMINATION

Eco Hydro Glass is an alkaline liquid. Refer to the Material Safety Data Sheet (MSDS), available on request, for further information on safety during transportation, storage, handling and disposal. Follow instructions on the packaging.

AVAILABLE ON REQUEST

Material Safety Data Sheet (MSDS).

DECLARATION OF PERFORMANCE

CE

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ETS Europe BVBA
Herentalsebaan 406 D1
BE – 2160 Wommelgem

NO. ECO HYDRO GLASS · EN 1504-2:2004

EN 1504-2: ZA.1a

Surface protection product — hydrophobic impregnation. Silicate impregnation and subsoil consolidation protecting against penetrating moisture in masonry and concrete.

Penetration depth	Class I, < 10 mm
Water absorption & alkaline resistance	< 7.5% vs. untreated; < 10% in alkaline solution
Drying speed	Class II, > 10 mm
Loss of mass after freeze-thaw	Later than non-impregnated sample
Dangerous substances	None

Also covered by Environmental Product Declaration MD-26095-EN, verified by EPD Danmark (ISO 14025, EN 15804+A2), issued 10-09-2026, valid to 10-09-2031.

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. 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 must 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 must 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.