

ECO WALL

Decorative smoothing mortar

8 N/mm² COMPRESSIVE STRENGTH	Up to 30 mm LAYER THICKNESS	3 hrs READY FOR CERAMIC COVERING	Grindable & SHRINKAGE-FREE
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PROPERTIES AND BENEFITS

- Eco-Binder technology
- Resistant against salt water and chemicals
- Fast curing and shrinkage-free
- Grindable
- Environmentally friendly
- Very low emission EMICODE EC1PLUS
- Polymer-modified
- Easy application

DESCRIPTION

Eco Wall is an innovative, environmentally friendly smoothing mortar which hardens fast and is shrinkage-free, at a layer thickness of up to 30 mm.

COLOUR

Original colour white.

RANGE OF USAGE

For indoor and outdoor use: smoothing work on wall and ceiling surfaces and facades, and application as a decorative wall coating. Applicable in layer thicknesses of up to 30 mm.

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Technical information

STRENGTH

Compressive strength	approx. 8 N/mm ²
Flexural strength	approx. 3 N/mm ²

DENSITY

Bulk density	approx. 1.1 kg/dm ³
Fresh mortar density	approx. 2.0 kg/dm ³

LOADABILITY

Light load	1 day
Fully loadable	4 days

Curing at 20°C.

MIXING AND PROCESSING

Mixing ratio	7.25–7.5 L water / 25 kg powder
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Processing temperature	min. +5 °C, max. +35 °C
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Processing time	approx. 30 min
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Application thickness	up to 30 mm
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Consumption	approx. 1.0 kg/m ² per mm layer
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COVERING WAITING TIMES

Ceramic covering	after 3 hours
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Paint and wallpaper	1 day
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Synthetic resin plaster	1 day
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PACKAGING AND STORAGE

Packaging	25 kg paper bag
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Storage	12 months
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The information above is given based on our experience.

PREPARATION OF SUBSTRATE

Ensure the underground is dry, clean, and free from substances that could cause separation before coating; mechanical preparation such as shot-blasting is recommended. Deeper ruptures must be filled beforehand. On strongly absorbent substrates, prime with Eco Primer — the surface must be dry, and dried for 2 hours after priming; a further layer of primer may be applied if necessary on critical undergrounds.

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Mixing, application and pigmentation

MIXING AND APPLICATION

Add 7.25–7.5 L water per 25 kg powder into the mixing container, then pour the powder in while stirring, using a mixing machine. Mix intensely for 2 minutes, let set for 3 minutes, then mix again for 1 minute; mix only as much material as can be applied within 30 minutes. Apply to the intended thickness, protecting the surface from too-quick drying (no draft) for the first 24 hours, and do not cover the finished surface with foils or other materials.

CRACK-SENSITIVE SUBSTRATES AND DRY CONSTRUCTION

Insert suitable fabric tapes or reinforcement fabrics during application. For flat installation of reinforcement fabrics, mix to a suitable consistency and apply with a toothed trowel, pressing the fabric into the fresh mortar from inside to outside and smoothing any residue pressed through the mesh; a second layer is applied wet-in-wet to fully cover the fabric, with mesh panel edges overlapping by about 10 cm. For drywall filling work, fill and smooth all joints with Eco Wall, position fabric tape above the joint, smooth with a trowel, and apply a second wet-in-wet layer to fully cover the tape. After sufficient curing, the surface is ready for grinding — apply a further layer if necessary.

PIGMENTED MORTAR

Add the pigment to the mixing water at the desired dosage, mixing intensively for 1 minute. Use constant water amounts for uniform colour distribution, and check colouring and visual appearance on a separate test area before application.

Note concerning post-processing and coating protection

For use as a final coat, apply a suitable surface protection system. For higher abrasion or chemical resistance, a combined application of Eco Hydro Sil and Eco Hydro Glass is recommended; for complete sealing, use Eco Topcoat Mono.

TOOLS AND CLEANING

Drill, compulsory mixer, mixing device, mixing container, trowel, smoothing trowel. All equipment should be washed clean and dried before and after application.

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Notes and safety

NOTES ON COLOUR

Minor colour differences are inevitable due to different production batches — work on designated sections with the same batch if a uniform colour is desired. This is a mineral/inorganic product; colours are not fully conformed to the RAL map and should only be treated as estimated classifications.

AVAILABLE ON REQUEST

Material Safety Data Sheet (MSDS).

SAFETY, ECOLOGY AND ELIMINATION

There is no mandatory hazard labelling for Eco Wall. Avoid inhaling dust when opening packaging. Protect skin and eyes during mixing. 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.

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 written confirmation. We reserve the right to change the product specifications due to technical progress.