

TECHNICAL DATA SHEET

ECO WALL

Industrial floor system. A division of ETS Europe.

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PRODUCT INFORMATION

DESCRIPTION:

ECO WALL is an innovative and environmentally friendly smoothing mortar, which hardens fast and is shrinkage-free with a layer from 1 – 30 mm.

COLOUR:

The original colour of ECO WALL is white.

PROPERTIES AND BENEFITS

- Eco-Binder technology
- Environmentally friendly
- Resistant against salt water and chemicals
- VOC- and APEO-free
- Fast curing and shrinkage-free
- Polymer-modified
- Grindable
- Easy application.

RANGE OF USAGE

- for indoor and outdoor use
- for smoothing work on wall and ceiling surfaces and facades
- for application as decorative wall coating
- applicable in layer thicknesses of 1 – 30 mm

TECHNICAL INFORMATION

Mixing ratio	Per 25 kg powder		
Wall	6.5 – 7.0 L	Color	White
Floor	7.0 – 7.5 L		
Strength		Density	
Compressive strength	approx. 8 N/mm ² approx. 3 N/mm ²	Bulk density	approx. 1.1 kg/dm ³

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Flexural strength		Fresh mortar density	approx. 2.0 kg/dm ³
Processing temperature	Min. +5 °C, max. +35 °C	Processing time	approx. 30 min
Application thickness	1 - 30 mm	Consumption	ca. 1.0 kg / m ² and mm layer thickness
Load ability	Curing at 20°C	Covering	
Light load	1 day	Ceramic covering	After 3 hours
Fully loadable	4 days	Paint and wallpaper	1 day
		Synthetic resin plaster	1 day

The information above is given based on our experiences.

PREPARATION OF SUBSTRATE

Prior to application ensure that the underground is dry, clean, and free from other substances that could lead to separation before coating. Mechanical surface preparation for instance shot-blasting is recommended.

Deeper ruptures must be filled with ECO REPAIR. On strongly absorbent substrates the surface should be primed with ECO PRIMER. Therefore the surface has to be dry, and dried for 2 hours after priming. By priming the surface the absorbency of the substrate is adjusted. In order to guarantee this on critical undergrounds apply a further layer of primer if necessary. Please refer to the technical data sheet of ECO PRIMER for more information.

MIXING AND APPLICATION

Mix the material by using a mixing machine. Fill into the mixing container the required amount of water (6.75 – 7 liters per 25kg powder material), followed by powder material while stirring. The material has to be mixed intensely for 2 minutes, left to set for 3 minutes, and then mixed again for 1 more minute. Mix only as much material as can be applied within 30 minutes. After mixing, apply **ECO WALL** to the intended thickness. The surface has to be protected from too quick drying (no draft) for the first 24 hours. Do not cover the finished surface with foils or other materials.

Crack-sensitive substrates and dry construction

For crack-sensitive substrates or for the use in dry construction insert suitable fabric tapes or reinforcement fabrics during application of ECO Wall.

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In case of flat installations of reinforcements fabrics ECO Wall is mixed in a suitable consistency. The material is applied with a toothed trowel. Insert the reinforcement fabric into the fresh mortar by pressing with a trowel. The mesh surface is pressed into the mortar bed from inside to outside. Smoothen all mortar residues which get pressed through the mesh. For complete covering of the reinforcement fabric a second layer of ECO WALL is applied wet-in-wet. The edges of all mesh panels must overlap by about 10 cm. For filling work on drywalls all joints are filled and smoothed with ECO WALL. Afterwards the respective fabric tape is positioned above the joint and smoothed with a trowel. For complete covering of the fabric tape a second layer of ECO WALL is applied wet-in-wet. After sufficient curing of ECO WALL the surface is ready for grinding. Apply a further layer of ECO WALL if necessary.

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.

PACKAGING AND STORAGE

Packaging: 25 kg paper bag

Storage: 12 months in dry and controlled temperate areas (not below 0 °C, recommended 10 – 25 °C). Reseal opened containers immediately and use within a very short time.

SAFETY, ECOLOGY AND ELIMINATION

There is no mandatory hazard labeling for ECO WALL. Avoid inhaling dust when opening packaging. Protect skin and eyes during the mixing process. Please refer to the Material Safety Data Sheet for further information on safety during transportation, storage, handling and disposal. Follow instructions on the packaging.

Some minor color differences are inevitable due to different production batches. This should be taken into account while performing work. It is necessary to work on designated sections with the same batch (see label) if a uniform color is desired. Please take note that this coating is a mineral/inorganic product. Product colors are not fully conformed to the RAL- Map and therefore they should only be seen as estimated classifications.

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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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