

# TECHNICAL DATA SHEET

## ECO Topcoat Mat

Industrial floor system. A division of ETS Europe.



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### PRODUCT INFORMATION

#### DESCRIPTION:

**ECO Topcoat** is an abrasion resistant industrial flooring sealant, with a high surface strength and slide-protection.

#### COLOR:

The original colour of ECO Topcoat is milky white.

#### PROPERTIES AND BENEFITS

- Environmentally friendly
- Water vapor permeable
- VOC- and APEO-free
- Prevents from penetrating liquids and dirt
- Closes pores of the substrate
- Increases the strength of porous substrates
- Reduces abrasion.
- increases the chemical and acid resistance of the substrate

### RANGE OF USAGE

- For indoor use
- Sealing of absorbent and sandy substrates in production areas and warehouses
- Sealing and protection of previously created floor areas with products of the ECO FLOORS
- Protection against salt water and aggressive chemicals

### TECHNICAL INFORMATION

<b>Basis</b>	Aqueous dispersion (Component A) hardener component (Component B)	<b>Mixing ratio</b>	2: 5: 5 Hardener: Polymer: Water
<b>Pot life</b>	60 minutes	<b>Processing temperature</b>	min. +10 °C max. +35 °C
		<b>Maximum permitted humidity</b>	max. 95 % rel. H.
<b>Necessary number of applications</b>		<b>Waiting time between applications</b>	Min. 15 – 45 min (depending on layer)
Design floors	3 applications		
Industrial floors	2 applications		

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<b>Load ability</b>	Film formation at 20°C	<b>Consumption</b> (ready-to-use mixture)	Approx. 130 – 180 g/m <sup>2</sup> depending on underground conditions and absorbency
Walkable	12 hours		
Light load	3 days		
Fully loadable	7 days		

The information above is given based on our experiences.

### **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.

Chalking and strongly sandy components must be removed before application (suck off with efficient industrial vacuum cleaner). Remove render and/ or coatings. After all cleaning procedures use disposable shoe covers to avoid any type of dirt ingress.

### **MIXING AND APPLICATION**

For application following steps should be performed: First Component A (polymer) is diluted with water in a ratio of 1:1 (5kg Component A and 5kg water). Then Component B (hardener) is added to the premixed dilution (2kg Component B and 10kg Component A dilution). Component B must be added while stirring and mixed for 3 minutes. For better mixing use a dissolver disc. To avoid mixing problems transfer the material to a new container after the first step and mix once again.

Then ECO TOPCOAT MAT is applied striation free with a short fiber paint roller or by spraying application. For the application with new paint rollers all loose fibers must to be removed. Rinse the paint roller in clear water. In case of spraying applications, the spraying procedure must be followed by the distribution of the material with a microfiber mop.

After a waiting time of at least 15 minutes the next layer of ECO TOPCOAT MAT can be applied. The waiting time can raise up to 45 minutes during the further coating process. The exact drying times depend on the substrate conditions, the ambient temperature and on the relative humidity. Before application of additional layers observe enough filming formation of the product.

Ensure also the use of shoe covers at this stage to avoid any type of pollution of previously dried surfaces. Existing footprints are difficult to remove and affect the optimal appearance of the whole coating.

On highly absorbent substrates or heavily stressed areas four layers of ECO TOPCOAT MAT is recommended.

Within the first 7 days long-term water load should be removed immediately. Thereafter, the surface is resistant to permanent water load, beverages, oil and fats. Scratches in the surface

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**Note:** Because of the different absorbency of various substrates we recommend a test application on a sample area. Impurities must be washed off immediately with water. All tools should be cleaned between applications.

After exceeding the pot life, the consistency and the characteristics of the material may change. Therefore, any unused material must be disposed.

### **MAINTENANCE AND CARE**

Conserving all properties and the respective gloss level of ECO TOPCOAT careful maintenance and care is necessary. Sand or coarse particles are grinding materials and must be removed during the normal cleaning procedures. Despite the protective function of the product long lasting loads with harmful liquids should be avoided to prevent staining of the coating. Durable and strong mechanical stress on the substrate (for example heavy machinery) can damage the coating. In this case, we recommend a post-treatment of the damaged area with ECO TOPCOAT. For this a basic cleaning is performed with a commercially available, slightly alkaline floor cleaner.

In case of larger areas or for a high degree of staining or pollution the use of mechanical cleaning procedures is recommended. For this a single disk grinder with a white or beige pad is necessary. After cleaning, the surface is rinsed with water until all residues of the cleaner are removed.

The surface should be dry for the subsequent coating. For re-work with ECO TOPCOAT a spraying application is recommended. The spraying procedure is followed by a uniform distribution of the sealer with a microfiber mop up to the desired amount of liquid material. Depending on the degree of staining or pollution a second layer of ECO TOPCOAT may be required.

### **TOOLS AND CLEANING**

Brush, roller or spraying tools

All equipment should be washed clean and dried before and after application.

### **PACKAGING AND STORAGE**

**Packaging:** 7 kg combined container, which includes 5 kg of component A (polymer) and 2 kg of component B (hardener).

**Storage:** 9 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**

Component A: None

Component B: May cause allergic reactions and respiratory irritation. Enough ventilation during application must be ensured.

ECO TOPCOAT is harmless after hardening. Please refer to the Material Safety Data Sheet (MSDS)

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

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