

# TECHNICAL DATA SHEET

## ECO TOPCOAT MAT

Two-component sealant. A division of ETS Europe.



Silicate Systems

Date: 16/07/2017  
Revision: 13/06/2023  
Page: 1

### PRODUCT INFORMATION

#### DESCRIPTION:

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

#### COLOR:

The original colour of **ECO TOPCOAT MAT** 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>Necessary number of applications</b>		<b>Maximum permitted humidity</b>	max. 95 % rel. H.
Design floors	3 applications	<b>Waiting time between applications</b>	Min. 15 – 45 min (depending on layer)
Industrial floors	2 applications		

#### Head office

ETS Europe  
Herentalsebaan 406 D1  
2160 Wommelgem  
Belgium

T: +32 (0) 3 227 28 58  
F: +32 (0) 3 475 16 66  
E-mail: [info@ets-europe.be](mailto:info@ets-europe.be)  
[www.ets-europe.be](http://www.ets-europe.be)



# TECHNICAL DATA SHEET

## ECO TOPCOAT MAT

Two-component sealant. A division of ETS Europe.



Silicate Systems

Date: 16/07/2017  
Revision: 13/06/2023  
Page: 2

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

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

**Note:** Because of the different absorbcency 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.

#### **Head office**

ETS Europe  
Herentalsebaan 406 D1  
2160 Wommelgem  
Belgium

T: +32 (0) 3 227 28 58  
F: +32 (0) 3 475 16 66  
E-mail: [info@ets-europe.be](mailto:info@ets-europe.be)  
[www.ets-europe.be](http://www.ets-europe.be)



# TECHNICAL DATA SHEET

## ECO TOPCOAT MAT

Two-component sealant. A division of ETS Europe.



Silicate Systems

Date: 16/07/2017  
Revision: 13/06/2023  
Page: 3

### **MAINTENANCE AND CARE**

Conserving all properties and the respective gloss level of **ECO TOPCOAT MAT** 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 MAT**. 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 MAT** 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 MAT** 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 MAT** is harmless after hardening. 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.

#### **Head office**

ETS Europe  
Herentaalsebaan 406 D1  
2160 Wommelgem  
Belgium

T: +32 (0) 3 227 28 58  
F: +32 (0) 3 475 16 66  
E-mail: [info@ets-europe.be](mailto:info@ets-europe.be)  
[www.ets-europe.be](http://www.ets-europe.be)



# TECHNICAL DATA SHEET

## ECO TOPCOAT MAT

**Two-component sealant. A division of ETS Europe.**



**Silicate Systems**

Date: 16/07/2017  
Revision: 13/06/2023  
Page: 4

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. In particular, 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 has to 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 have to 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. The technical data sheet can be requested on [www.ets-europe.be](http://www.ets-europe.be).

---

### **Head office**

ETS Europe  
Herentaalsebaan 406 D1  
2160 Wommelgem  
Belgium

T: +32 (0) 3 227 28 58  
F: +32 (0) 3 475 16 66  
[E-mail: info@ets-europe.be](mailto:info@ets-europe.be)  
[www.ets-europe.be](http://www.ets-europe.be)

