

# ECO TOPCOAT MAT

Two-component abrasion-resistant sealant

|                                              |                                                          |                                |                                 |
|----------------------------------------------|----------------------------------------------------------|--------------------------------|---------------------------------|
| <b>1-2</b><br>COATS, SUBSTRATE-<br>DEPENDENT | <b>Up to 300 g/m<sup>2</sup></b><br>CONSUMPTION, 2 COATS | <b>VOC-free</b><br>& APEO-FREE | <b>7 days</b><br>FULLY LOADABLE |
|----------------------------------------------|----------------------------------------------------------|--------------------------------|---------------------------------|

## PROPERTIES AND BENEFITS

- |                                 |                                                               |
|---------------------------------|---------------------------------------------------------------|
| - Environmentally friendly      | - Water vapour permeable                                      |
| - VOC- and APEO-free            | - Prevents penetration of 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 |

## DESCRIPTION

Eco Topcoat Mat is an abrasion-resistant industrial flooring sealant, with high surface strength and slide protection.

## RANGE OF USAGE

For indoor and outdoor use: sealing of absorbent and sandy substrates in production areas and warehouses; sealing and protection of previously created floor areas with Silicate Systems flooring products; protection against salt water and aggressive chemicals; suitable for use in food-processing companies.

# ECO TOPCOAT MAT

Technical information

Page 2 / 4

## COMPOSITION AND PROCESSING

|                               |                                  |
|-------------------------------|----------------------------------|
| Basis                         | Aqueous dispersion<br>+ hardener |
| Mixing ratio                  | 5:2, Component A : B             |
| Pot life                      | 60 min                           |
| Processing temperature        | min. +10 °C, max. +35 °C         |
| Max. permitted humidity       | 85% rel. H.                      |
| Waiting time<br>between coats | 12 hours at 20°C/65%<br>rel. H.  |

## LOADABILITY

|                                  |          |
|----------------------------------|----------|
| Walkable, film formation at 20°C | 12 hours |
| Light load                       | 1 day    |
| Normal use                       | 3 days   |
| Fully loadable                   | 7 days   |

## NUMBER OF COATS

Eco Topcoat Mat can be applied in one or two coats depending on substrate and application; the specified minimum consumption for the first or sole application should always be achieved for adequate stain protection. For self-levelling compounds or fine flowing screeds with a smooth surface (Eco Rapid or Silicate Systems flooring products), use approx. 150–200 g/m<sup>2</sup> for the first application.

|                                                                    |         |
|--------------------------------------------------------------------|---------|
| Concrete/screed — normal requirements, simple floors               | 1 coat  |
| Concrete/screed — increased load or high absorbency                | 2 coats |
| Self-levelling/flowing screed — normal requirements                | 1 coat  |
| Self-levelling/flowing screed — max. stain protection or high load | 2 coats |

## CONSUMPTION (READY-TO-USE MIXTURE)

|                     |                                  |
|---------------------|----------------------------------|
| 1st coat            | approx. 150–200 g/m <sup>2</sup> |
| 2nd coat (optional) | approx. 100–150 g/m <sup>2</sup> |
| Total, 2 coats      | up to 300 g/m <sup>2</sup>       |

At low temperatures or increased humidity, drying time extends. The information above is given based on our experience.

## PREPARATION OF SUBSTRATE

Prior to application, ensure the underground is dry, dust-free, clean and free from substances that could cause separation before coating. Chalking and strongly sandy components must be removed (suck off with an efficient industrial vacuum cleaner), and existing render and/or coatings removed. Use disposable shoe covers after cleaning to avoid dirt ingress.

# ECO TOPCOAT MAT

Mixing and application

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## MIXING AND APPLICATION

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Transfer Component A (polymer) to a clean mixing container, then add Component B while stirring, mixing for 3 minutes. At the end of mixing the material appears thicker than at the start — leave it to set for 10 minutes, then mix again for a further minute at low speed. Apply striation-free with a short-fibre paint roller; use only new rollers, rinsed with clear water first to remove loose fibres. A second coat can optionally be applied after 12 hours if the surface is dry and walkable. At the low end of the specified temperature range or high humidity, waiting times between applications may extend to 24 hours; observe sufficient film formation before applying additional layers, and use shoe covers to avoid contaminating dried surfaces (footprints are difficult to remove). On highly absorbent substrates or heavily stressed areas, two layers are recommended. Within the first 7 days, remove long-term water load immediately; thereafter the surface resists permanent water load, beverages, oil and fats. Mechanical abrasion scratches can be repaired with a new sealer layer.

## MAINTENANCE AND CARE

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Remove sand or coarse particles during normal cleaning, as they act as grinding materials. Avoid long-lasting exposure to harmful liquids to prevent staining. Heavy mechanical stress (e.g. heavy machinery) can damage the coating — post-treat damaged areas with a new layer after basic cleaning with a commercially available, slightly alkaline floor cleaner. For larger areas or heavy staining, mechanical cleaning is recommended; for recoating, the surface should be free of cleaning-agent residue and fully dry.

## TOOLS AND CLEANING

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Brush, roller or spraying tools. All equipment should be washed clean and dried before and after application.

# ECO TOPCOAT MAT

Notes, safety and declaration of performance

## PACKAGING AND STORAGE

|           |                                 |
|-----------|---------------------------------|
| Packaging | 7 kg combined (5 kg A + 2 kg B) |
|-----------|---------------------------------|

|         |          |
|---------|----------|
| Storage | 9 months |
|---------|----------|

|                     |                          |
|---------------------|--------------------------|
| Storage temperature | 10–25 °C, not below 0 °C |
|---------------------|--------------------------|

Store in dry, controlled temperate areas. Reseal opened containers immediately and use within a short time.

## NOTES

Because absorbency varies by substrate, a test application on a sample area is recommended. Impurities must be washed off immediately with water, and tools cleaned between applications. Once the pot life is exceeded, material consistency may change — dispose of any unused material.

## SAFETY, ECOLOGY AND ELIMINATION

Component A: none. Component B may cause allergic reactions and respiratory irritation — ensure sufficient ventilation during application. Eco Topcoat Mat is harmless after hardening. 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.

## DECLARATION OF PERFORMANCE

### EPD verified

This product is covered by Environmental Product Declaration MD-26095-EN, verified by EPD Danmark in accordance with ISO 14025 and EN 15804+A2. Issued 10-09-2026, valid to 10-09-2031.

## AVAILABLE ON REQUEST

Material Safety Data Sheet (MSDS); Cleaning and Care Instructions for floor products.

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.