



MATACRYL® STC

Sealer for Maticryl Waterproofing Systems

Product Description

Maticryl® STC is a medium viscosity, elastified, UV-protected and pre-pigmented surface sealer based on acrylic resins. It is part of an innovative waterproofing system that supports tight completion timelines of infrastructure projects and ensures long-term performance and resilience.

Basic Uses

Maticryl STC is used as a surface sealer for Maticryl waterproofing systems to improve general resistance and maintenance properties.

Features and Benefits

- Rapid cure time allows for quick installation.
- Easy to apply using a roller or squeegee.
- Semi-flexible.
- UV and weather resistant.
- Pre-pigmented in standard colors.

Physical Properties*

Property	Test Method	Value
VOC Content	Definition	0.0 g/l
Viscosity @ 77 °F (25 °C)	DIN 53019	190-270 mPa*s
Density @ 77 °F (25 °C)	ISO 2811	1.10 g/ml
Curing Time @ 68 °F (20 °C)		approx. 60 minutes
Elongation @ 75 °F (24 °C)	DIN EN ISO 527	> 100 %
Tensile Strength @ 75 °F (24 °C)	DIN EN ISO 527	> 8 MPa
Shore A Hardness	DIN EN ISO 868	85
Shore D Hardness	DIN EN ISO 868	41

*Please note that an objective comparison with other data is only possible if norms and parameters are identical.

Packaging

- 6 US gal/pail

Installation

Surface Preparation

- The Maticryl system to be sealed must be dry, clean and free from dust and grease.
- Any membrane coat must be completely cured.
- For broadcast systems, all loose aggregate or flakes must be thoroughly removed prior to applying Maticryl STC.

Installation

Mixing

- Prior to use, Maticryl STC must be carefully stirred to achieve uniform distribution of the paraffin in the sealer, normally a minimum of three (3) minutes.
- Maticryl STC is thoroughly mixed together with Maticryl Reactive Filler (25 % dibenzoyl peroxide) or Maticryl Catalyst (50 % dibenzoyl peroxide), in accordance with the following guidelines. The amount of initiator powder to be added depends on the substrate temperature.

Temp F	Temp C	Maticryl Reactive Filler	Maticryl Catalyst	Maticryl Accelerator
86 °F	30 °C	2 % by weight of resin	1 % by weight of resin	n/a
68 °F	20 °C	4 % by weight of resin	2 % by weight of resin	n/a
50 °F	10 °C	8 % by weight of resin	4 % by weight of resin	n/a
32 °F	0 °C	10 % by weight of resin	5 % by weight of resin	n/a
<32 °F	<0 °C	12 % by weight of resin	6 % by weight of resin	1-3 % by weight of resin

Note: For safety reasons, Matacryl Accelerator must be added to reactive resin PRIOR to adding any initiator. See TDS Matacryl Accelerator for more details.

Application

Immediately after the Catalyst is added, Matacryl STC is spread onto the Matacryl base coat using a roller or squeegee. Layer thickness must be kept within 0.3 to 0.8 l/m². Consumption of Matacryl STC depends on the system and varies from 0.33 to 0.88 kg/m².

- Do not apply when surface temperature is above 104 °F (40 °C) and/or rapidly rising. Special care must be observed if area is exposed to direct sunlight.
- Substrate temperature must be at least 3° over actual dew point and rising.

The techniques involved may require modification to adjust to job-site specific conditions. Consult your Tremco Infrastructure Sales Representative or Tremco Technical Services for site conditions and requirements. For further installation details, see our General Preparation and Application Guidelines for “Matacryl Systems”.

Limitations/ Shelf Life

One (1) year when stored in a dry place in original, closed packaging. Optimal storage temperature: 60 to 70 °F (15 to 20 °C)

Warranty

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products. Tremco’s sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

Please refer to our website at www.tremcoinfrastructure.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.