MATACRYL® WL

Flexible Waterproofing Membrane and Coating

Product Description

Matacryl® WL is a polyurethane modified resin binder based on acrylic monomers and polymers. 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

Matacryl WL is an elastified resin binder intended for the formulation of flexible membranes and flexible, wear resistant coatings exposed to subzero temperatures. They are mainly used for:

- Waterproofing and shock absorbing membranes.
- Flexible floor coverings exposed to low temperatures (coolers and freezers).
- As a wear layer for outdoor applications exposed to heavy mechanical loadings and rapid temperature variations.

Features and Benefits

Matacryl WL is a highly-flexible crack bridging membrane with excellent performance characteristics, even in extremely low temperatures: -4 °F (-20 °C).

- Fully cured one hour after application. Rapid cure time allows for quick installation, regardless of temperature, letting projects continue in colder months.
- Easy to apply.
- Free from external plasticizer.

Physical Properties*

Property	Test Method	Value
VOC Content	Definition	0.0 g/l
Viscosity @ 77 °F (25 °C)	DIN 53019	160-200 mPa*s
Density @ 77 °F (25 °C)	ISO 2811	0.99 g/ml
Curing Time @ 68 °F (20 °C)		60 minutes
Elongation @ 75 °F (24 °C)	DIN EN ISO 527	> 220 %
Tensile Strength @ 75 °F (24 °C)	DIN EN ISO 527	> 11.0 MPa
Shore A Hardness	DIN EN ISO 686	90
Shore D Hardness	DIN EN ISO 686	36

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

Packaging

- 5 US gal/pail
- 6 US gal/pail
- 50 US gal/drum

Installation

Surface Preparation

- Prior to applying Matacryl WL a suitable Matacryl Primer, including sanding when appropriate, must be applied.
- To prime, substrates must be dry, firm, solid and free of dust, grease, oil, and loose particles, usually by shot or sand blasting to attain correct surface profile. Newly poured concrete must have reached adequate strength to receive Matacryl system.

Installation

Mixing

- Prior to use, Matacryl WL must be carefully stirred to achieve uniform distribution of the paraffin in the product, normally a minimum of three (3) minutes.
- Matacryl WL is thoroughly mixed together with Matacryl Reactive Filler (25 % dibenzoyl peroxide) or Matacryl 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	Matacryl Reactive Filler	Matacryl Catalyst	Matacryl 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 WL is spread onto the Matacryl base coat using a roller, notched squeegee or pin rake.

- 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.

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