
PREMERA
PREMERA®
SHAKE GENTLY
Quick Seal
Fast Cure Stain & Seal or Pre-Seal for T2 MCM
Protective Technology
• 2 Minute Full Cure Sealer
• Instant Hydrophobic Effect
• Add Acetone-Based Dye for Fast, Single-Step Stain & Seal
IMPORTANT
PREMERA®
SHAKE GENTLY
T2 MCM
Sol-Gel Based Clear Top Coat
Protective Technology
• High Durability, Easy-Clean Top Coat
• Excellent Adhesion to Surface
• Excellent Chemical and Corrosion Resistance
IMPORTANT
PREMERA®
SHAKE GENTLY
FP1 Fusion Primer
Sol-Gel Based Fusion Primer for Concrete Substrates
Protective Technology
• Fuses Top Coat to Surface
• High-Strength Cross-Linking
• Not for Use with Water-Based Paints or Top Coats
PREPARATION
APPLICATION

PREMERA T2 MCM TOP COAT

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Premera T2 MCM Top Coat stands at the forefront of cutting-edge surface protection. As a sol-gel based clear coat, it's designed to redefine standards, providing unparalleled durability and shielding. This revolutionary sol-gel based solution streamlines your coating process by removing the need for grinding or sanding substrates.

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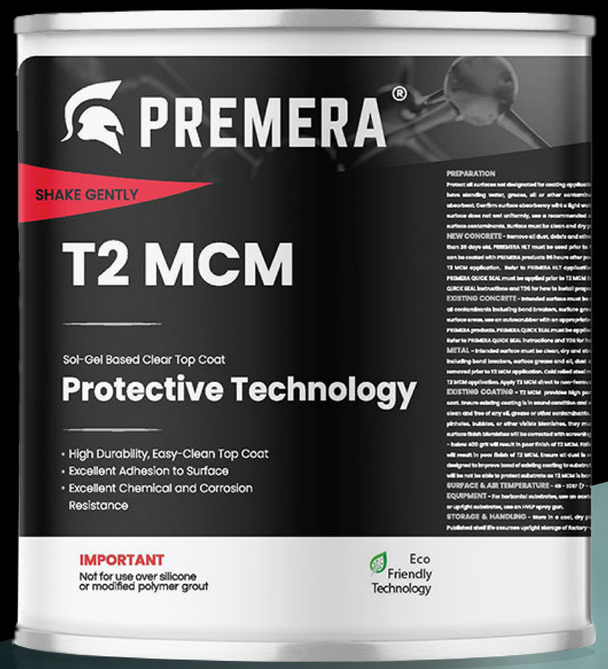
KEY FEATURES



01

Crystal Clear Durability:

T2 MCM, with its quartz composition, delivers an ultra-durable top coat while maintaining the clarity of glass.

02

Chemical Fusion Strength:

The silane component ensures a robust chemical fusion between the protective layer and the substrate, providing unmatched strength.

03

Extended Overcoat Window:

With a 60 minute recoat window, T2 MCM offers a stress-free application process.

04

UV Stable and Industrial-Grade:

T2 MCM is not only UV-stable but also industrial-grade, standing strong against various environmental challenges.

05

Versatile Finishes:

Choose from gloss, satin, or matte finishes, tailoring the aesthetic to your preferences.

06

No Prep Needed:

Skip the grinding and sanding—T2 MCM bonds seamlessly to clean surfaces, saving time and effort during application.

APPLICATIONS

01

Direct to Difficult Substrates:

T2 can bond directly to difficult substrates such as polished concrete, terrazzo and tile, uniquely delivering both high performance chemical and abrasion resistance.

02

Top Coat for Coatings:

It excels as a top coat for a variety of coatings, providing enhanced protection and clarity.

03

Decorative Concrete:

T2 MCM is a popular choice for decorative concrete, offering both aesthetic appeal and industrial-grade protection.

Why T2 MCM?

Unrivaled strength, simplified application, versatile finishes, and industrial-grade protection make T2 MCM the top choice for durable and efficient coatings.

PROPERTIES

Ready to use. There is no need for mixing or diluting.

TECHNICAL DATA (All values @ 77 ºF / 25 ºC)	**US**	**Metric**
Volatile organic compounds (ASTM D2369)	< 0.83 lb./gal	< 100 gm/ liter
Theoretical coverage	400 – 600 Ft2 /gal @ 1.0-1.5 mils DFT	9-14 m²/liter @ 25-38 microns
Specific Gravity of materials (ASTM D792)	7.36 lbs./gal	0.88 kg/ liter
Shelf life @ 77 ºF /25 ºC	12-18 Months	12-18 Months
Flash point - pensky martin closed cup	15 ºF	-9 ºC
Application Temperature	45 – 105 ºF	7 – 40 ºC
Abrasion Resistance CS-17 1000 Cycles (ASTM 4060)	23 mg Loss	
Surface Flammability (ASTM E162)	Heat Index 0 (Best Result)	
Adhesion to 800 Grit Polished Concrete (ASTM 4541)	1200+ PSI Cohesive Concrete Failure	
Accelerated UV Exposure 1000 hrs. (ASTM G154)	dE: <0.5	
Thermal Cycling (ASTM 6944) 50C - 4 Hours Immersion @ 25C - 4 Hours -29C - 16 Hours	No Effect	
Solvent Resistance - MEK (ASTM 4752	1000 Rubs - No Effect	
Shore D Hardness (ASTM D2240)	72 +/- 3	
Operating Temperature	-200F - 350F	
PROCESSING PROPERTIES (Under standard lab conditions)		
Touch Dry	2-3 hours	
Dry Through	3-5 hours	
Recoat interval	0-60 minutes	
To be walked on	Min 6-8 hours	
To be exposed to vehicular traffic	Min 3 days	
Full Cure	5-7 Days	

Properties and values are highly dependent on equipment, spray gun, spray pressure, temperature, and related parameters. Variations are possible and expected.

SURFACE PREPARATION

Protect all surfaces not designated for coating application. Do not apply to frozen, dirty, or water-contaminated surfaces. Ensure intended surfaces are

clean

dry

absorbent

Confirm uniform absorbency with a light water spray; if uneven, use a recommended cleaner or auto scrubber to remove contaminants. Surfaces must be clean and dry before application.

New Concrete 01

Remove dust and debris. For concrete less than 28 days old, use PREMERA HLT before T2 MCM. Coating can be applied 96 hours after pour with HLT; without it, concrete must cure for 28 days.

Existing Concrete 02

Surface must be clean, dry, and structurally sound. Remove contaminants. For larger areas, use an auto scrubber. Surface must be dry. PREMERA QUICK SEAL is required for direct-to-concrete applications.

Metal 03

Surface must be clean, dry, and structurally sound. Remove contaminants and corrosion. Cold rolled steel needs an anti-corrosion primer. Apply T2 MCM directly to non-ferrous metals, galvanized, and stainless steel. Remove contaminants and corrosion. Cold rolled steel needs an anti-corrosion primer. Apply T2 MCM directly to non-ferrous metals, galvanized, and stainless steel.

Existing Coating 04

Ensure the surface is in good condition and well-adhered. Remove contaminants and correct any imperfections. Use an auto scrubber for larger areas. T2 MCM provides top-notch protection to existing coatings.

Surface & Air Temperature 05

Maintain between 45 – 105F (7 – 40C).

Equipment 06

Use an acetone-proof pump sprayer with a cone tip for horizontal substrates. For vertical surfaces, use an HVLP spray gun.

Storage & Handling 07

Store in a cool, dry place <80F. Seal container after dispensing. Published shelf life assumes upright storage in a dry place <80F.

APPLICATION GUIDELINES

Watch Now

01 Horizontal Surfaces

01.1 Shake the closed container gently to avoid air entrapment.

01.2 Ensure a dust-free surface; wipe immediately before applying T2 MCM. It can be applied directly to densified, +800 grit polished concrete. If the concrete is troweled, ground, honed, or polished under an 800 grit finish, apply Premera Quick Seal first.

02 Vertical Surfaces

02.1 Ensure a dust-free surface.

02.2 Use an HVLP spray gun with a 1 inch by-8inch elongated, vertical spray pattern.

02.3 Spray one coat, keeping a wet edge while applying.

CASE STUDY

Overview:

Elringklinger, a leading auto parts manufacturer, inaugurated a new production facility in San Antonio, TX, in 2022. Faced with the challenge of safeguarding their concrete floors from a range of harsh conditions, including high process temperatures, hot tire pickup, exposure to industrial chemicals, and potential forklift battery acid leaks, they turned to Premera T2 MCM as the exclusive solution to address these demanding wear factors.

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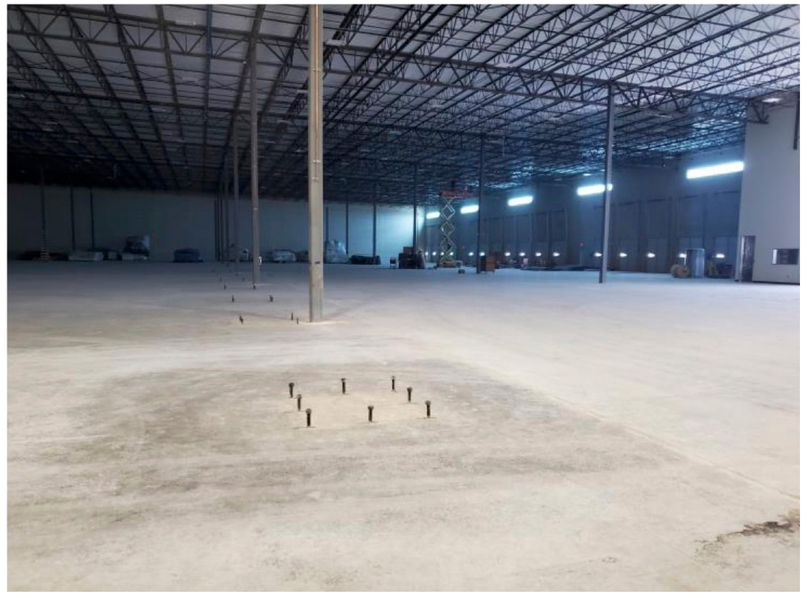
Value Delivered:

Premera T2 MCM stands out as the ideal combination of robust industrial performance and user-friendly installation. As a single-component, spray-down product that self-levels and eliminates the need for backrolling, the installation team efficiently coated over 100,000 square feet. This not only delivered industrial-grade protection but also achieved a visually appealing, decorative finish. The simplicity of the application process, coupled with the superior performance, reinforced the client's satisfaction, making Premera T2 MCM the go-to solution for their ongoing manufacturing operations.



Project: Industrial Protection for Manufacturing Floors
Client: Elringklinger
Location: San Antonio, TX
Size: 100,000 square feet
System: Premera T2 MCM
Date: July 2022

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