



PREMERA FP1 FUSION PRIMER

Explore a new dimension in surface preparation with Premera's FP1 Fusion Primer. 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

No Grinding Needed:

Skip grinding and sanding; FP1 bonds chemically, instead of mechanically, to clean surfaces, saving you time, effort and breathing dust.



02

Versatile Compatibility:

Designed for use on various surfaces – concrete, tile, glass, metals, existing coatings and more. No concerns about surface types.



03

Simple, Fast Application:

Single component, spray down, no backroll primer with a stress-free 90 minute overcoat window.



04

UV Stable:

FP1 delivers UV stable finish, perfect for use underneath clear coats.



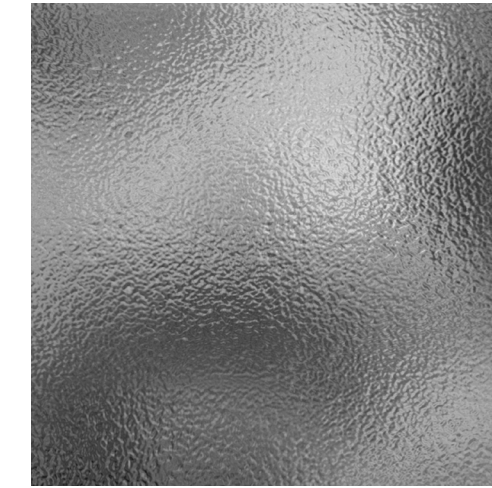
APPLICATIONS



01

Substrate Adhesion:

Ideal for intercoat adhesion or direct-to-substrate primer.



Metals



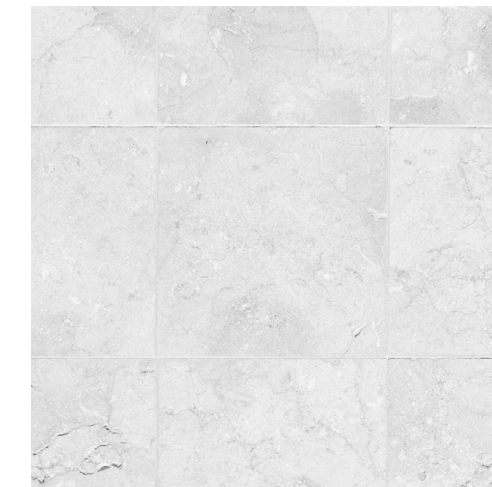
Concrete

02

Surface Variety:

Suited for concrete, tile, glass, metals, and diverse coatings.

*View images on the right side



Tile



Glass

Why FP1 Fusion Primer?

Premera's FP1 simplifies surface preparation, offering efficiency without compromising performance.

PROPERTIES



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



TECHNICAL DATA (All values @ 77 °F / 25 °C)	US	Metric
Volatile organic compounds (ASTM D2369)	< 1.25 lb./gal	< 150 gm/ liter
Theoretical coverage	300 – 400 Ft ² /gal @ 0.4-0.9 mils DFT	22-37 m ² /liter @ 10-23 microns
Specific Gravity of materials (ASTM D792)	7.3 lbs./gal	0.87 kg/ liter
Shelf life @ 77 °F /25 °C	12 months	12 months
Flash point - pensky martin	<77 °F	< 25 °C
Application Temperature	45 – 104 °F	7 – 40 °C
PROCESSING PROPERTIES (Under standard lab conditions)		
Touch Dry	90 minutes	
Dry Through	120 minutes	
Recoat interval	5-90 minutes	

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 surfaces that are frozen, dirty, or have standing water, grease, oil, or other contaminants. Intended surfaces must be



clean



dry



absorbent

Confirm surface absorbency with a light water spray-intended surface should wet uniformly. If the surface does not wet uniformly, use a recommended cleaner, auto scrubber, power washer, or other process to remove surface contaminants. Surface must be clean and dry before application.

New Concrete

Remove all dust, debris, and other contaminants from the surface. If concrete is less than 28 days old, Premera HLT must be used before Fusion Primer. With Premera HLT, new concrete can be coated with Premera products 96 hours after pour.

Existing Concrete

Intended surface must be clean, dry, and structurally sound. Remove any and all contaminants, including bond breakers, surface grease and oil, dust, and construction debris. For larger surface areas, use an auto-scrubber with an appropriate cleaner. Surface must be dry before the application of Premera products.

Surface & Air Temperature

Maintain a temperature range of 45 – 105°F (7 – 40°C).

Equipment

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

Storage & Handling

Store in a cool, dry place <80°F. Always seal the container after dispensing. Published shelf life assumes upright storage of factory-sealed containers in a dry place <80°F.

02

03

04

05



APPLICATION GUIDELINES

01 Horizontal Surfaces

- 01.1 Ensure a clean, dry surface.
- 01.2 Perform a solvent wipe and, if needed, use an auto-scrubber.
- 01.3 Apply Fusion Primer with an acetone-proof pump sprayer, such as Swissmex. On porous surfaces like broom-finished or non-polished concrete, apply two coats wet on wet, 2-3 mils WFT each, with a 50% overlap. Goal is to achieve a saturated substrate. On non-porous substrates like tile, glass metal or existing coating films, apply one coat 1-2 mils WFT, with a 50% overlap.
- 01.4 Keep a wet edge, and if needed, reapply in dry areas.
- 01.5 At 72F, FP1 should become tacky after 15-20 minutes. Once FP1 becomes tacky, there is a 90 minute overcoat window to apply top coat. If window is missed, screen FP1 film and reapply, again waiting until tacky to apply top coat.

02 Vertical Surfaces

- 02.1 Ensure a clean, dry surface.
- 02.2 Two coats wet on wet, 2-3 mils WFT each.
- 02.3 Keep a wet edge, and if needed, reapply in dry areas. Concrete must be saturated and feel tacky after Fusion Primer application for optimal results.

[Watch Now](#)



CASE STUDY

Description:

INDO-MIM, a metal parts manufacturer, aimed to coat its San Antonio manufacturing space with industrial-grade epoxy. Initially planning 5 weeks for concrete grinding, Modern Day Concrete switched gears upon discovering Fusion Primer. Choosing efficiency, they applied Fusion Primer to the INDO-MIM project. The result? Coating the entire 100,000 sq ft in just 1 week, a drastic time-saving from the initially estimated 5 weeks.

/

Value Delivered:

Adopting FP1 Fusion Primer not only accelerated installation but also boosted the contractor's profit margins from 20% to 40%. This efficiency freed up the workforce for other projects, showcasing how innovative solutions can revolutionize workflows, offering substantial time and financial savings while ensuring long-lasting quality.



Project Overview: Optimizing Epoxy Installation

Client: INDO-MIM

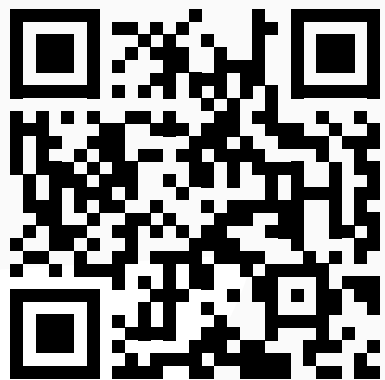
Location: San Antonio, TX

Size: 100,000 sq ft

System: Premera FP1 Fusion Primer with Lone Star Industrial Epoxy 100

Date: August 2022

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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

IMPORTANT

Not for use over silicone or modified polymer grout

Eco Friendly Technology

PREPARATION
Protect all surfaces not designated for coating application. Remove standing water, grease, oil or other contaminants. Confirm surface absorbency with a light mist. If surface does not wet uniformly, use a recommended cleaner to remove surface contaminants. Surface must be clean, dry and free of laitance.
NEW CONCRETE - Remove all dust, debris and efflorescence. Premera F1T must be used prior to the placement of concrete. Premera F1T must be used prior to the placement of concrete 48 hours after pouring for best results.
EXISTING CONCRETE - Intended surface must be clean, dry and free of laitance. Surface must be free of contaminants including bond breakers, surface grout, sealers, etc. Use an etcher/acidifier with an appropriate Premera product.
SURFACE & AIR TEMPERATURE - 40 - 100°F (10 - 38°C).
EQUIPMENT - For horizontal substrates, use an airless sprayer. For vertical substrates, use an HVLP spray gun.
STORAGE & HANDLING - Store in a cool, dry place. Premera F1T is a flammable liquid. Observe all safety precautions.
APPLICATION
Before use, read Preparation, Hazard and Precaution information. ALWAYS TEST using the equipment and procedure prior to full application.
TYPICAL COVERAGE RATES

Smooth Concrete	100-200
Broom Finish	200-300
Diamond Grind	100-200

*Coverage rates will vary based on substrate porosity and application method.
HORIZONTAL SURFACES - Prime surface to form a thin film prior to application of Fusion Primer. If surface is not clean and must be cleaned with an etcher/acidifier, it must be clean and dry. Fusion Primer application may begin with a cone tip. Keep spray tip 12 inches off the ground. To best results, spray on concrete. On broom finish, apply at least two coats wet on wet, 2-4 mils WFT each. After applying, observe how the concrete absorbs the first coat. If absorption is slow, apply a second coat. Concrete must be saturated.

مهم
لا تستخدم على
الأسطح المعالجة
بالمطهرات أو
المركبات البوليمرية
المعدلة

Eco
Friendly
Technology