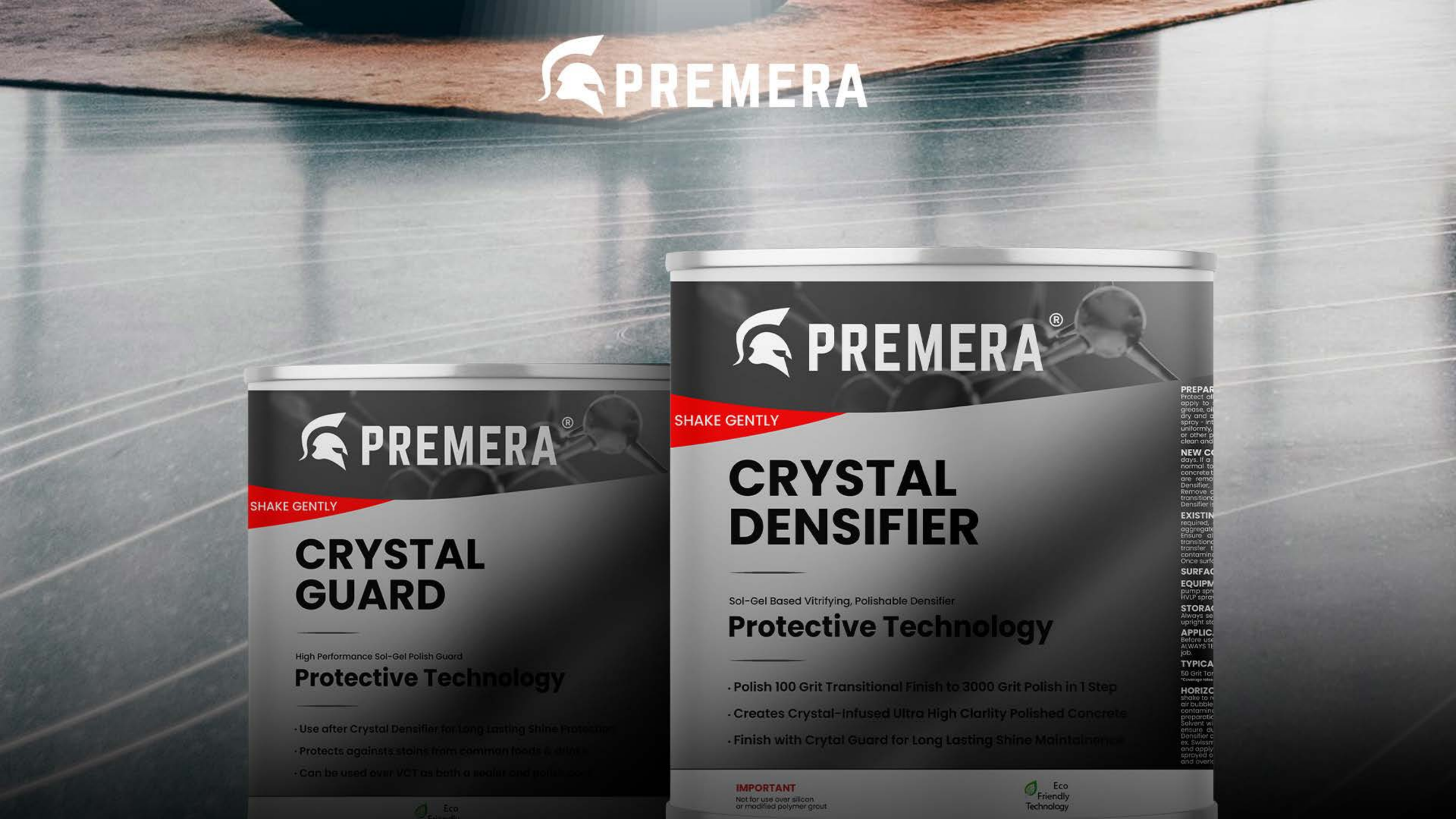
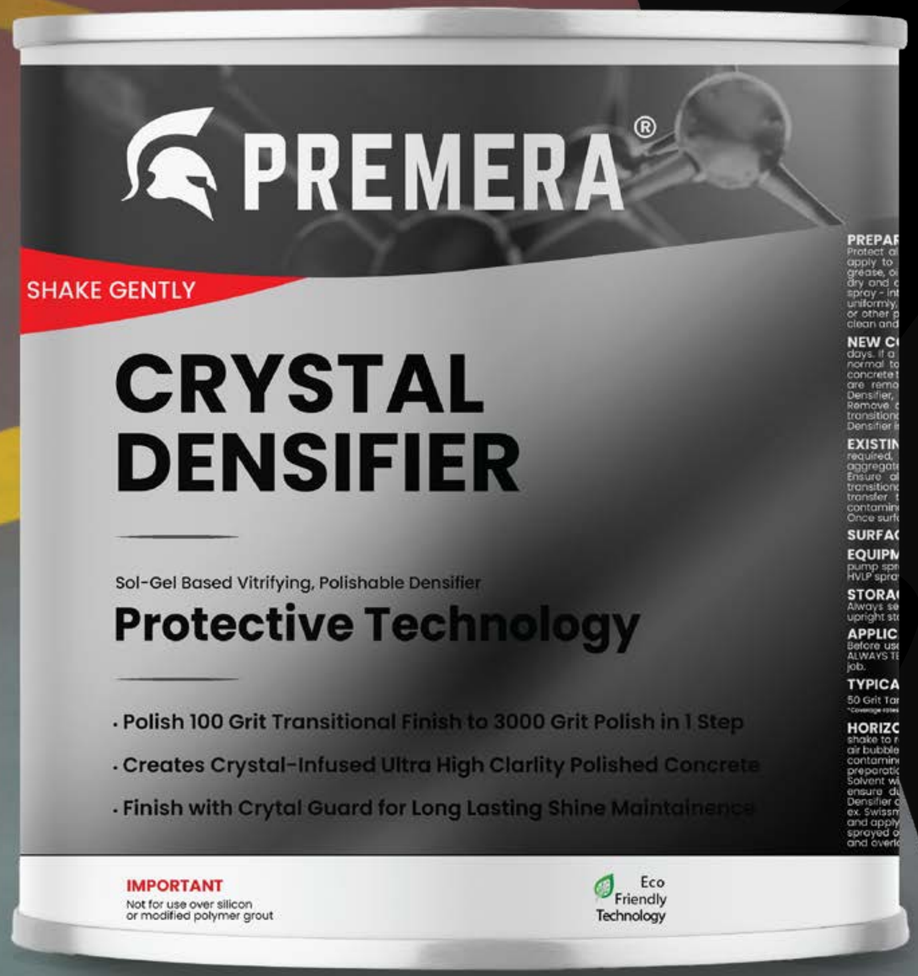

PREMERA
PREMERA®
SHAKE GENTLY
CRYSTAL GUARD
High Performance Sol-Gel Polish Guard
Protective Technology
PREMERA®
SHAKE GENTLY
CRYSTAL DENSIFIER
Sol-Gel Based Vitrifying, Polishable Densifier
Protective Technology
· Polish 100 Grit Transitional Finish to 3000 Grit Polish in 1 Step
· Creates Crystal-Infused Ultra High Clarity Polished Concrete
· Finish with Crytal Guard for Long Lasting Shine Maintainence
IMPORTANT
Not for use over silicon or modified polymer grout
Eco Friendly Technology



PREMERA CRYSTAL DENSIFIER

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Premera Crystal Densifier is an industry-first, burnishable densifier. As a sol-gel, SiO2-based densifier, it is designed to both densify and harden concrete, as well as allow concrete polishers to skip all resin grinding steps in the polishing process and go straight to burnishing for a mirror polish. This revolutionary sol-gel-based solution streamlines concrete polishing by eliminating 50% or more of the labor and time involved.

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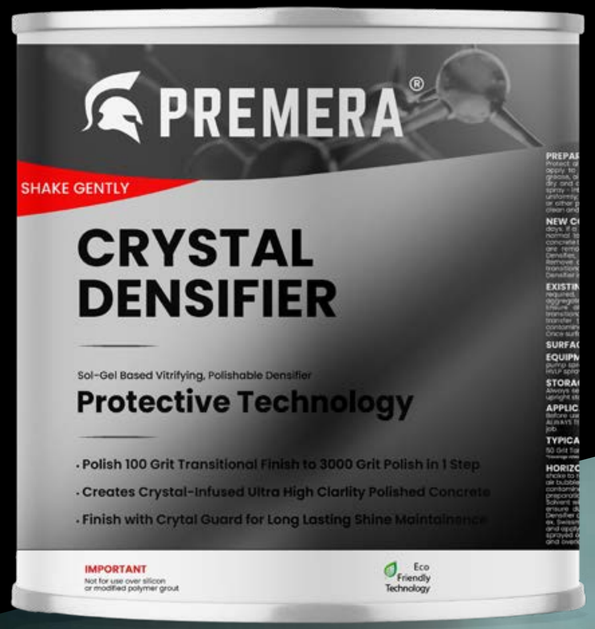
KEY FEATURES



01

Crystal Clear Durability:

Crystal Densifier, with its quartz crystal composition, delivers an ultra-durable, glass-clear finish to polished concrete.

02

Chemical Fusion Strength:

This sol-gel-based densifier penetrates into concrete pores, reacts with, and fuses the liquid SiO2 to the concrete molecular structure via silane components, creating a durable, crystal/concrete hybrid material.

03

Ultra Fast Polishing:

One hour after application, burnish Crystal Densifier with a high-speed burnishing machine using a 3000 grit diamond pad, or whatever grit level is called for in the spec.

04

UV Stable and Industrial-Grade:

Crystal Densifier is not only UV stable but also industrial-grade, standing strong against aggressive warehouse environments.

05

Versatile Finishes:

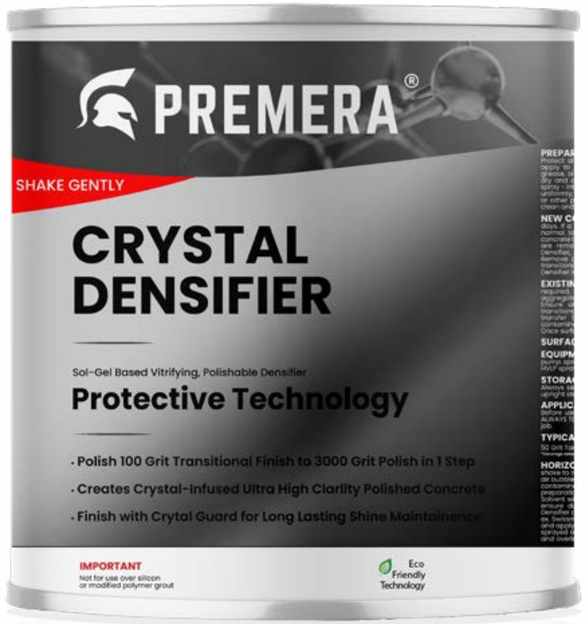
Match whatever spec finish is required by using the correlating diamond pad; for example, if the spec calls for an 800 grit polished finish, use an 800 grit diamond pad to burnish.

06

No Resins Needed:

Once concrete is at a 100 transitional profile, it is ready to be sprayed with Crystal Densifier.

APPLICATIONS



01

Instant Polished Concrete

Crystal Densifier is the fastest way to create beautiful, mirror-finish polished concrete.

02

Chemical Resistant Polish

Unlike regular polished concrete, Crystal Densifier creates stain protection that far exceeds the performance of the traditional method.

03

Aesthetic Longevity

Protect with Premera Crystal Guard to provide extra-high-performance protection against stains while preserving and maintaining shine.

Why Crystal Densifier?

Unrivaled efficiency, simplified application, versatile finishes, and industrial-grade protection make Premera's Crystal Line the top choice for polished concrete.

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 lb./gal	<150 gm/ liter
Theoretical coverage	400 Ft2 /gal @ 4 mils WFT	10 m²/liter @ 100 microns
Specific Gravity of materials (ASTM D792)	8 lbs./gal	0.96 kg/ liter
Shelf life @ 77 °F /25 °C	12 Months	12 Months
Flash point - pensky martin closed cup	15 °F	-9 °C
Application Temperature	45 – 105 °F	7 – 40 °C
Abrasion Resistance CS-17 1000 Cycles (ASTM 4060)	23 mg Loss	
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	
PROCESSING PROPERTIES (Under standard lab conditions)		
Touch Dry	60-90 Minutes	
Tack Time / Time Until Polishable	60 Minutes	
Polishable Window	4 Hours	
Recoat interval	0-60 minutes	
Foot Traffic	4 Hours	
To be exposed to vehicular traffic	48 Hours	
Properties and values are highly dependent on temperature. 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

If polishing concrete according to spec, take the concrete to the desired aggregate exposure level with appropriate metal grinding. If no aggregate exposure is required, or once desired aggregate exposure is achieved, take concrete up to a 100 transitional finish before applying Crystal Densifier. Ensure all dust and debris are removed prior to Crystal Densifier application.

Existing Concrete 02

If polishing concrete according to spec, take the concrete to the desired aggregate exposure level with appropriate metal grinding. If no aggregate exposure is required, or once desired aggregate exposure is achieved, take concrete up to a 100 transitional finish before applying Crystal Densifier. Ensure all dust and debris are removed prior to Crystal Densifier application.

Surface & Air Temperature 03

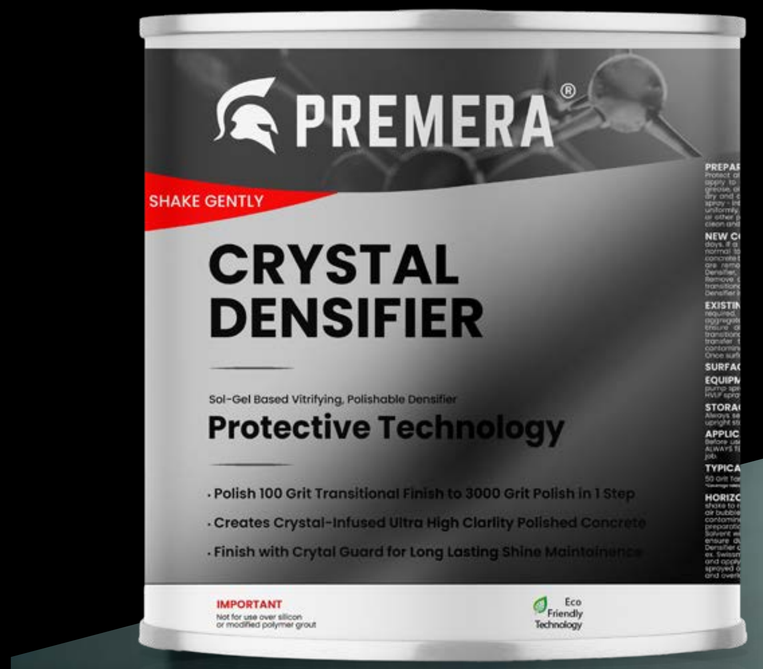
Maintain between 45°F – 105°F (7°C – 40°C).

Equipment 04

Use an acetone-proof pump sprayer with a cone tip for horizontal surfaces. Use a propane high-speed burnishing machine to burnish with a 3000 grit diamond pad, and finish with a 3M white pad.

Storage & Handling 05

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



APPLICATION GUIDELINES

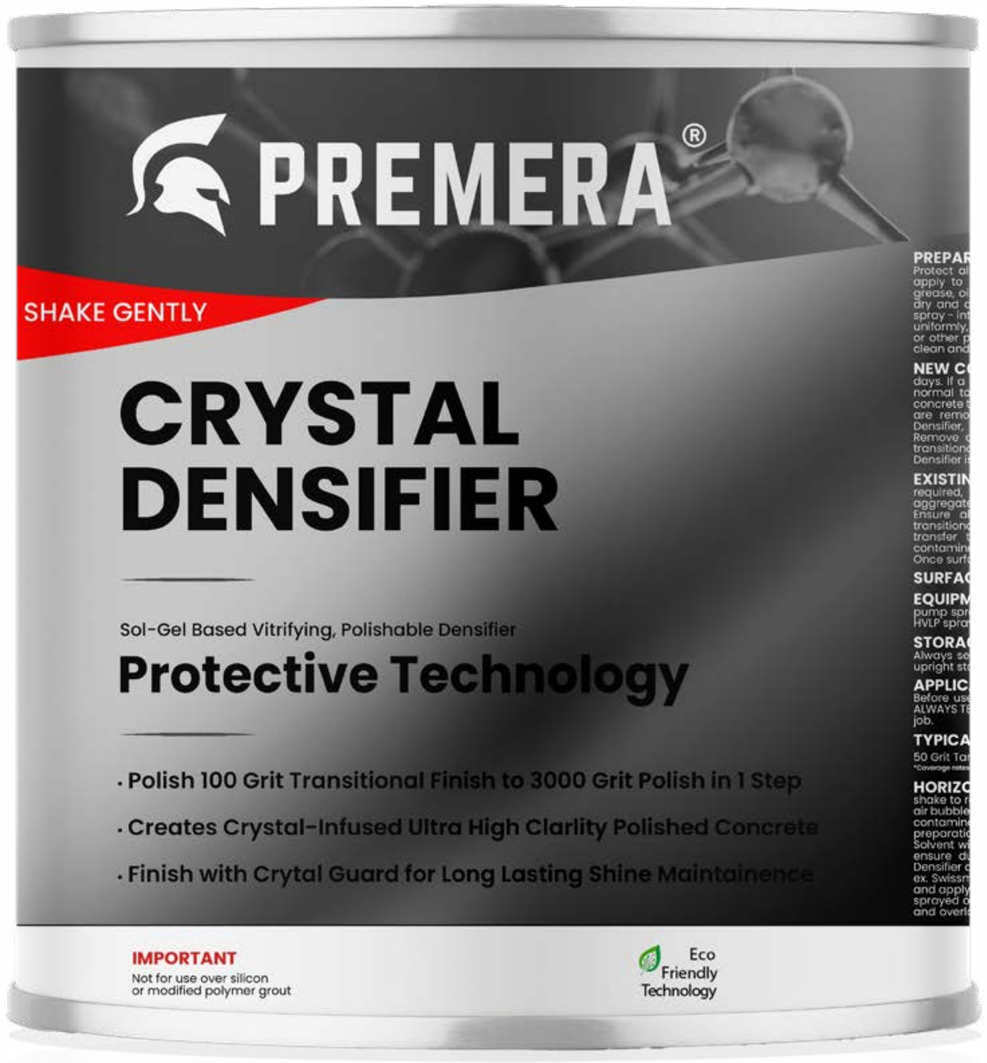
01

Horizontal Surfaces

01.1 Stir contents well to ensure resuspension of nano-particles.

01.2 Ensure a dust-free surface; wipe immediately before applying Crystal Densifier. Apply directly to a 100 transitional finished concrete.

Visit Us



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