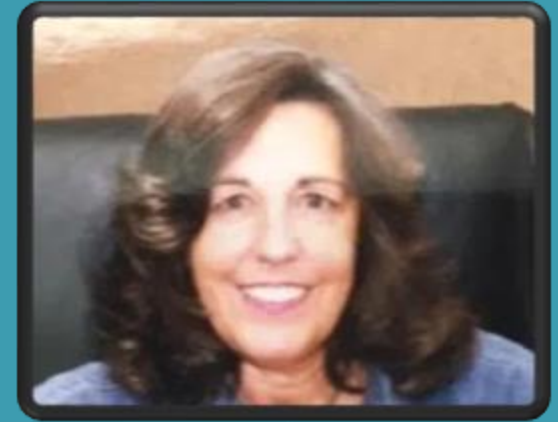


Safer Alternatives to Toxic Solvents and Toxic Ingredients

- Housekeeping
- Introduce Webinar Series:
 - May 8 – Soy-Based Products - recorded
 - June 5 – Cleaner & Coating Applications
 - June 18 – Dry Ice Cleaning
- Nevada Green Business Program
- Q&A at End



Dr. Katy Wolf



**WESTERN
NEVADA
COLLEGE**



A scenic photograph of a Nevada desert landscape at dusk or dawn. In the background, rugged mountains are silhouetted against a sky with soft, colorful clouds in shades of orange, pink, and purple. The foreground is filled with desert vegetation, including several tall yucca plants and low-lying shrubs. A white diagonal line cuts across the lower-left portion of the image, separating the landscape from the white background where the logo and website are located.

**Good for Nevada.
Great for Business.**



WWW.NVGREENBUSINESS.ORG



- Operate a free, statewide certification program for small to medium businesses
- Provide guidance, tools, and resources to help members adopt best practices AND measure their impact
- Recognize efforts to conserve resources, reduce waste, curb pollution, and promote sustainability within the workplace




Our Partners





GreenBizTracker

An online platform makes it easy for businesses to register and get started, track their efforts, and become certified.

 FIND A GREEN BUSINESS

Type of Business
View All ▾

State
Nevada ▾

Category
▾


County
View All ▾

Zip Code
Zip

City

Business Name, Keyword

SEARCH

 APPLY TO BE A GREEN BUSINESS

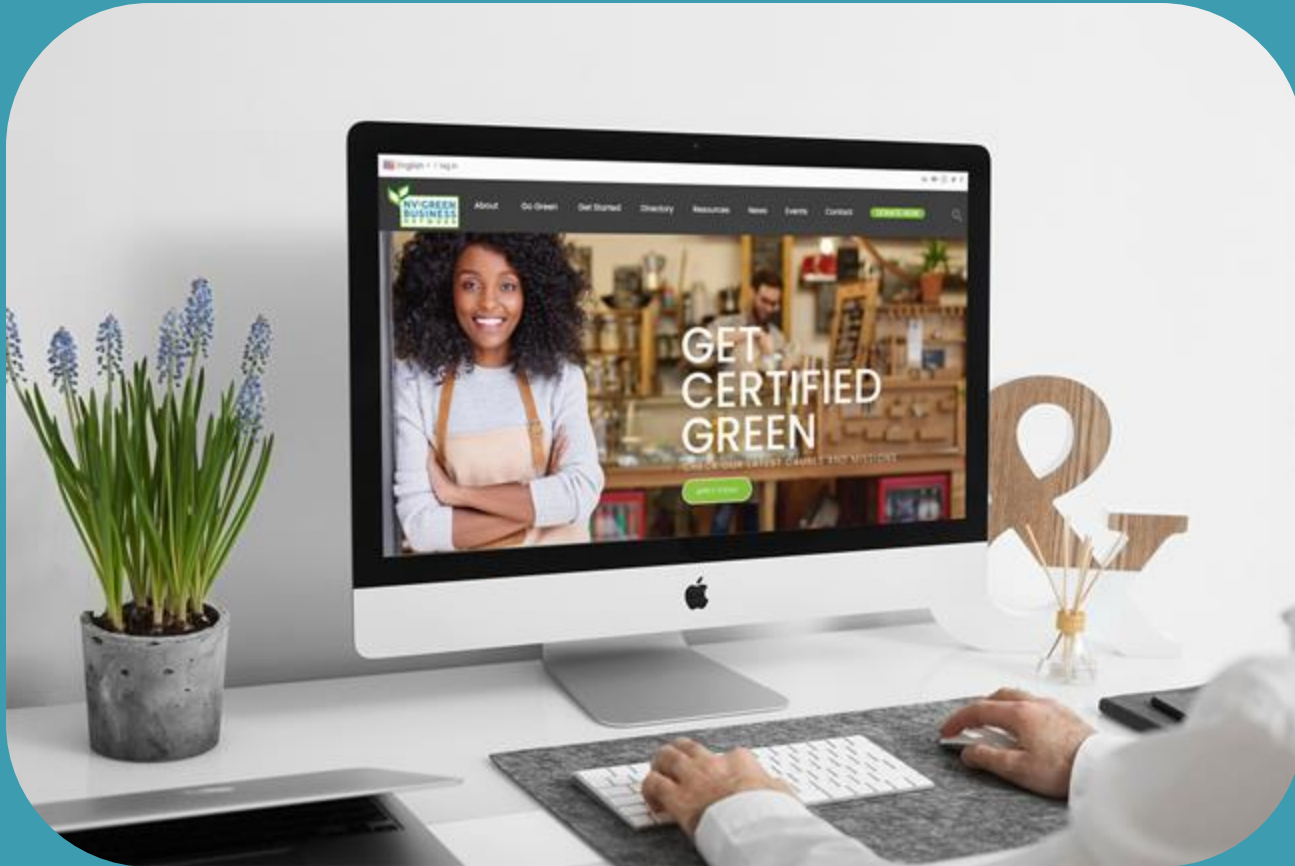
Find new ways for your business to be more efficient, healthy, and attract new customers. Get EnviroStars recognition!

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www.nvgreenbusiness.org

www.nv.GreenBizTracker.org

THANK YOU!

Donna Walden
greenUP! President
NVGBN Director
info@greenupnv.org

Erica Gallegos
Green Business Coordinator
erica.gallegos@wnc.edu



Visit: nvgreenbusiness.org

Cleaner and Coating Applications: Case Studies

June 5, 2025



Katy Wolf, Ph.D.
Consultant

Background

- greenUP! project has focus on EPA's Safer Choice Program
 - Safer Choice program gives labels to certain consumer and institutional products
- P2 Grant proposed to try to get labels for more industrially relevant products to replace products that rely on toxic solvents and certain other toxic ingredients
 - Water-based cleaners used in place of halogenated solvents
 - Water-based cleaners used in place of mineral spirits
 - Soy based cleaners
 - Water-based cleaners for garment cleaning
 - Hydrocarbon with no aromatic components
 - Floor wax strippers without amines and relatively low pH
 - Graffiti removers
 - Floor coatings
 - Acetone and acetone products
 - Dry ice blasting

Background Continued

- Project Issues

- Many industrial companies do not see a marketing advantage to having an EPA Safer Choice label
- Approach in industrial applications includes moving to products that improve health and environmental effects but may not be perfect
- EPA Safer Choice criteria are very stringent and recent modifications have made the standards even more difficult to achieve
- Program not suited to labels for industrially relevant products

- Webinar Series

- Cover green industrial products that may or may not be able to get an EPA Safer Choice label
- All are able to replace more toxic products and improve negative health and environmental effects

Webinar Agenda

- Introduction and background on cleaner and coating
 - Features that make them safer
- Discussion of safer cleaner
 - Jason Cox from REV Polymer, the company that developed and commercialized the cleaner for cleaning in auto repair facilities and for spray gun cleaning and general cleaning in auto body shops
 - Lance Cox from E-14 Polymers, the company that developed and commercialized the cleaner for parts cleaning and spray gun cleaning in industrial facilities
- Discussion of safer primer
 - Doug Foster from Premera Coatings, the manufacturer that developed the concrete primer
 - Felipe Carstens, a contractor from Premera Coatings
 - Matt Jeffrey from Chattanooga Floor Care, one of the contractors who applies the coating

Safer Alternative Cleaner

- Major ingredient is acetone
 - Acetone is lower in toxicity than nearly all other organic solvents
 - Acetone is exempt from VOC regulation
 - Acetone has low flash point but has been used safely in many applications in California for decades
- Cleaner has many advantages
 - Both aerosol and nonaerosol packages
 - Aerosol propellant is carbon dioxide
 - Lower in toxicity and VOC content than nearly all other cleaners on the market

Safer Alternative Cleaner Continued

- Can be used in a variety of applications
 - Aerosol brake cleaner, carburetor cleaner, engine degreaser, general purpose cleaner in auto repair facilities
 - General purpose cleaner in aerosol and nonaerosol form in auto body shops
 - Aerosol and nonaerosol handwipe cleaner for industrial surface preparation cleaning and repair and maintenance cleaning
 - Spray gun cleaning in auto body shops and many industrial operations
 - Use as a thinner for certain solventborne coatings in autobody and industrial operations
- Meets CARB VOC content requirements for auto aerosol cleaners
- Meets proposed VOC content changes to SCAQMD cleaning rule, Rule 1171



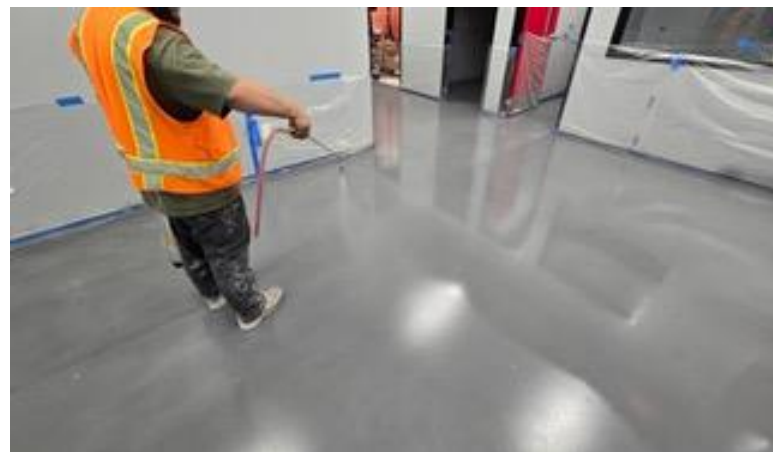




Safer Alternative Floor Coating

- Primer used for concrete flooring in commercial and industrial buildings
- Applied by contractors
- Advantages of primer
 - Low VOC content
 - Reduces dust generation
 - Primer requires no grinding operations before application
 - Other concrete coatings require multiple grinding operations
 - Reduces lung disease to workers and surrounding community





Contact Information

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Consultant

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katywolfirta@gmail.com

www.irta.us

REV BLAST

ADVANCED SURFACE CLEANER FOR AUTOMOTIVE PROFESSIONALS

REV POLYMERS | SPEAKER: JASON COX

GREENUP! SAFER CHOICE WEBINAR SERIES



THE PROBLEM IN AUTOMOTIVE SHOPS

- HARSH SOLVENTS DAMAGE PLASTIC, RUBBER, AND PAINTED PARTS
- VOC LIMITS ARE STRICTER THAN EVER
- TECHNICIANS STILL RELY ON OUTDATED CLEANERS WITH HEALTH RISKS



INTRODUCING REV BLAST

SAFER, HIGH-PERFORMANCE CLEANER ENGINEERED FOR:

- DETAILERS
- BODY SHOPS
- DEALERSHIPS
- QUICK LUBE & MECHANIC BAYS
- ENTERPRISE ACCOUNTS OR MSO ORGANIZATIONS



WHAT MAKES REV BLAST DIFFERENT

- ACETONE BASE
- SAFE ON PLASTICS, GLASS, METAL, AND COATINGS
- NO CORROSION OR RESIDUE
- SAFE IN GROUNDED SPRAY GUN WASHERS
- MIR VALUE OF 0.378 – FULLY CARB COMPLIANT



APPLICATION USE CASES

- BRAKE CLEANING (MEETS CARB 10% VOC LIMIT)
- DEGREASING ENGINE BAYS
- REMOVING SPRAY PAINT OR GREASE MARKER FROM PANELS
- SPRAY GUN CLEANING (SOLVENT-BORNE OR HYBRID SYSTEMS)
- PREPPING PANELS BEFORE AND AFTER SANDING



REAL-WORLD PERFORMANCE

- REPLACED LACQUER THINNER IN MULTIPLE BODY SHOPS
- EQUAL CLEANING POWER, NO OFFENSIVE ODOR, NO CORROSION
- WORKS IN SURE SHOT AND BULK FILL SPRAY GUN CLEANERS
- TECHNICIANS REPORTED IMPROVED USABILITY
- IMPROVED PERFORMANCE OVER STAND ALONE SOLVENTS



WHY IT MATTERS

- COMPLIANT IN ALL 50 STATES
- HELPS TO KEEP SHOPS WITHIN REGULATION
- BETTER HEALTH PROFILE THAN METHYLENE CHLORIDE, TOLUENE, OR PCBTF



COMPETITOR MATCH-UP

Feature	Rev Blast	Zep 75	CRC HD	Safety- Kleen	Generic Solvents
VOC Complaint	✓	✓	X	X	X
Spray Gun Safe	✓	✓	X	✓	X
Bulk Sizes Availabe	✓	X	X	✓	✓
Safer Chemistry	✓	X	X	X	X



SIZES & DISTRIBUTION

- AEROSOL IN VARIOUS SIZES
- QUARTS / GALLONS
- 5-GALLON PAILS
- 55-GALLON DRUMS
- 275-GALLON TOTES
- PRIVATE LABEL OPPORTUNITIES AVAILABLE
- AVAILABLE AT WWW.COATINGDISTRIBUTORS.COM



PRICING

Product Size	Suggested MSRP*:
16 oz Aerosol	\$7.50
20 oz Aerosol	\$8.25
Quart	\$13.50
Gallon	\$28.50
5 Gallon	\$135.00
55 Gallon Drum	\$1237.50
275 Tote	\$5775.00

*Contact for Distribution Pricing / Private Label



LET'S TALK

REACH OUT FOR SAMPLES, PRICING, AND DISTRIBUTOR PROGRAMS

CONTACT:

JASON@REVPOLYMERS.COM

WWW.REVPOLYMERS.COM

REV BLAST: THE CLEANER BUILT FOR THE REALITIES OF THE
AUTOMOTIVE SHOP.



E-14 Clear Zone

Industrial Surface Cleaning Made Safer

E-14 Polymers | Speaker: Lance Cox
greenUP! Safer Choice Webinar Series



Industry Pain Points

- High-VOC solvents still common in manufacturing and maintenance
- Regulatory pressure from SCAQMD, CARB, and EPA
- Worker safety concerns with methylene chloride, PCBTF, toluene



Enter Clear Zone

- Acetone based
- MIR of 0.378 — meets CARB in all formats
- Safe on metals, coatings, composites
- Non-corrosive and residue-free
- Offered in bulk sizes for cost-effective industrial scale use



Industrial Use Cases

- Surface preparation prior to bonding or coating
- Parts degreasing in assembly lines
- Equipment maintenance cleaning
- Spray gun cleaning (solvent-borne and hybrid)
- A complaint paint thinner (for compatible paints and resins)
- Works in spray gun washers, sure shot sprayers, and automated systems



Compliant in All Formats

Available in:

- Various Size of Aerosols
- Quarts, Gallons
- 5-Gallon Pails
- 55-Gallon Drums
- 275-Gallon Totes



Regulatory Confidence

Meets:

- CARB General Purpose Cleaner <10% VOC (bulk & aerosol)
- Avoids chemicals like PCBTF, methylene chloride, and naphthalene

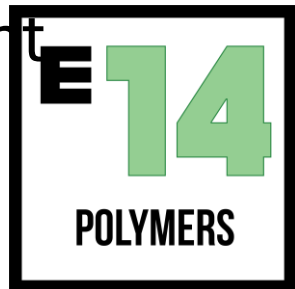
Potential:

- Cleaner for SCAQMD below .38



Case Study Example

- Found breakdown of high solids resins and polymers upon equipment cleaning
- Technicians reported a higher performance (and workability) vs. similar products and vs. acetone alone
- Testing completed using compliant Sure Shot system
- Adhesion pull test showed little to no effect when used as a surface cleaner prior to paint



Competitive Landscape

Feature	E-14 Clear Zone	Zep 75	CRC HD	Safety- Kleen	Generic Solvents
VOC Complaint	✓	✓	X	X	X
Spray Gun Safe	✓	✓	X	✓	X
Bulk Sizes Available	✓	X	X	✓	✓
Safer Chemistry	✓	X	X	X	X



Private Label & Distribution

- Distributor and OEM programs available
- Custom labeling options for enterprise clients
- Ready to scale with U.S. and Canada reach
- www.coatingdistributors.com
- In talks with nationwide distributors



Pricing

Product Size	Suggested MSRP*:
16 oz Aerosol	\$7.50
20 oz Aerosol	\$8.25
Quart	\$13.50
Gallon	\$28.50
5 Gallon	\$135.00
55 Gallon Drum	\$1237.50
275 Tote	\$5775.00

*Contact for Distribution Pricing / Private Label



Contact & Follow-Up

E-14 Polymers

www.e14polymers.com

info@e14polymers.com

Let's move industrial cleaning toward safer, compliant solutions — without sacrificing performance.



MEET THE SPEAKER

**Doug Foster is the Head of Sol-Gels at
Premera Coatings.**



Texas
USA

Dubai
UAE

BRAZIL
CHILE

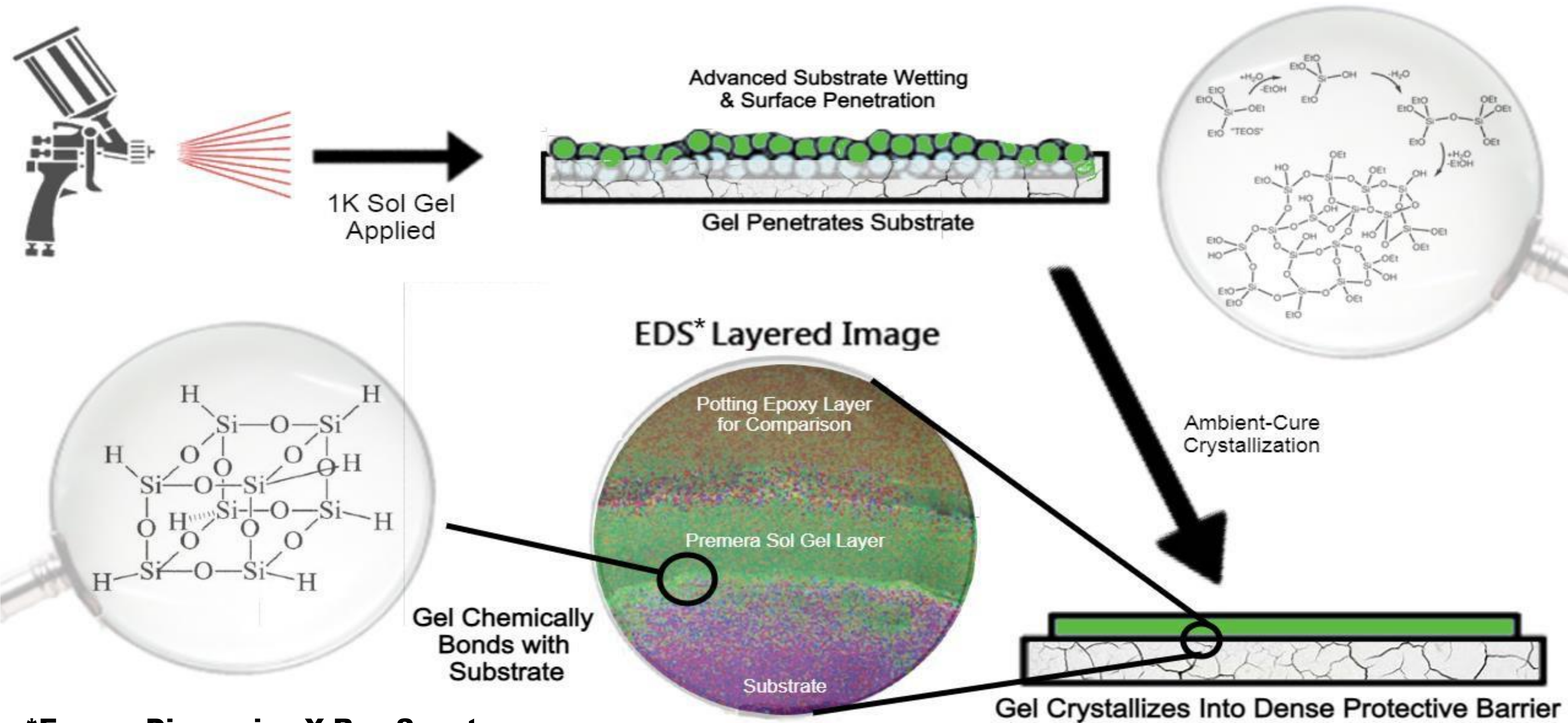
ABOUT PREMERA

Premera, headquartered in San Antonio, TX USA, is a protective coatings company on a mission to rewrite existing standards of durability, efficiency, and aesthetics for surfaces. Premera has global manufacturing operations in Brazil, Chile, Australia, and the Middle East.

AUSTRALIA

The Sol-Gel Difference: Plastic vs Crystal

02



*Energy-Dispersive X-Ray Spectroscopy

Gel Crystallizes Into Dense Protective Barrier

Environmental Impact: Dust Generation from Grinding



**Up to 2 lbs of Concrete Dust
per 1 sq.ft. of Concrete Floor**



No sanding or grinding needed



Ensures long-lasting adhesion

01

02

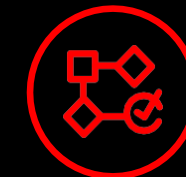


03



Provides solid foundation for coatings

04



Versatile application on concrete, metal, and masonry

FUSION PRIMER

FP1 Primer creates a strong chemical bond between coatings and substrates, eliminating hours, days or weeks per job of crews breathing in concrete dust.

Project: New Epoxy Floor in Manufacturing Space

Client: INDO-MIM

Location: San Antonio, TX

Size: 100,000 square feet

Date: August 2022

Description:

INDO-MIM is a metal parts manufacturer and wanted to coat its new manufacturing warehouse floors with an industrial grade epoxy. Modern Day Concrete bid the job in 2021, before they knew about Fusion Primer. In their submittal, they had about 5 weeks scheduled to grind 100,000 square feet of concrete floors. After they won the bid, they learned about Fusion Primer and started using it extensively. Once they were confident in its performance, they decided to use Fusion Primer on the INDO-MIM job. Instead of spending 5 weeks just grinding concrete, they were able to coat all 100,000 square feet in just 1 week using Fusion Primer.

System:

Premera FP1 Fusion Primer with Lone Star Industrial Epoxy 100

Value Delivered:

Using FP1 Fusion Primer saved the contractor 5 weeks of time on their epoxy installation job on 100,000 square feet. This doubled the contractor's profit margins from 20% to 40%, and allowed crews to be mobilized on other jobs instead of stuck grinding concrete and breathing dust. There was zero grinding done on this 100,000 square foot job. The epoxy is extremely well bonded to the concrete, and will remain so for years to come.



**Available in over 150
Decorative Concrete Supply
Stores Nationwide**

07