

ST-1

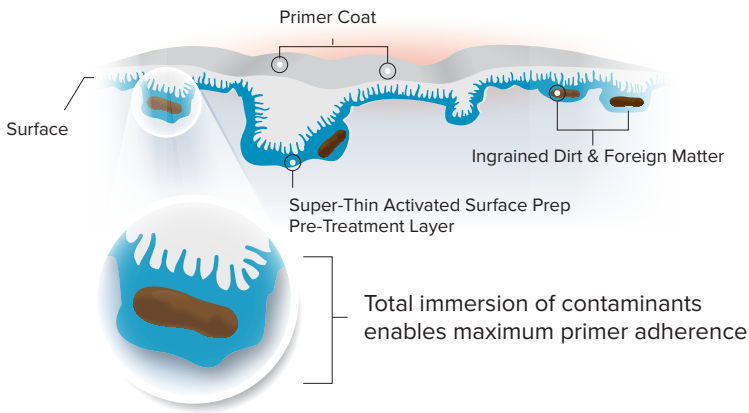
Surface Treatment & Adhesion Promoting Wipes

Exceptional Surface Pre-Treatment that Enhances Paint & Primer Adhesion

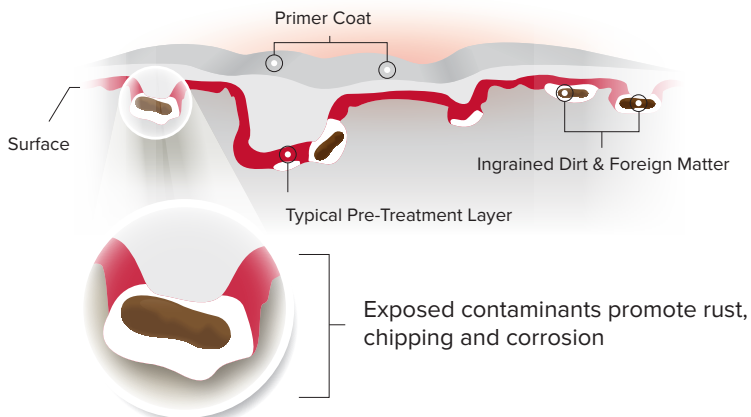
ST-1 Surface Treatment Wipes make surface preparation easier, safer and far more effective. Nontoxic, disposable wipes remove contaminants and chemically activate surfaces, penetrating surface pores to form a super-thin pre-treatment layer that bonds to the surface and attracts primers and paint—creating a unified bond down to the microscopic contours of surfaces.

Activated Wipe Coating Vs. Traditional Surface Pre-treatment

A super-thin Activated Surface Prep pre-treatment layer penetrates and coats pores, making paint adhere directly to ingrained dirt and foreign matter.



Typical chromate conversion coatings can be repelled by ingrained dirt and foreign matter - paint adhesion often fails as a result.



TECHNICAL DATA SHEET



PRODUCT SPECIFICATIONS

Extra-Large Wipes—8.5" x 17"
50 or 300 per container

Polyester/Cellulose Nonwoven —
Low-Linting & Tough

Water-Based, Non-Toxic, Non-Hazardous
& Non-Flammable

FEATURES & BENEFITS

Chemically activates surfaces for superior paint adhesion

Dramatically increases adhesion of paints, powder coats, adhesives, sealants and more

Cleans dirt, oil, fuels and other contaminants

Enhances corrosion resistance

Non-toxic, non-hazardous, non-corrosive, non-flammable and no odor

SUPERIOR PERFORMANCE

Activated surface prep wipe technology has been rigorously tested and used for more than 15 years—including in-flight testing and use on Boeing and Airbus models. Laboratory testing proves ST-1 to be a safe and effective alternative to dangerous solvents and chromate conversions.



225 W. Deer Valley Road, Phoenix, AZ 85027
623-780-2296 or 1-800-608-7888
PantheonEnterprises.com

Safe & Effective On

- Aluminum
- Wood
- Steel
- Concrete
- Galvanized Surfaces
- Plastic Surfaces
- Composites
- Magnesium
- Titanium
- Stainless steel

Application

- Surfaces must be free of loose debris
- Wipe in a consistent left-to-right or up-to-down direction, not in circles or zigzags—this will help remove contaminants; not spread them
- One wipe covers a 2' x 2' area
- Allow surface to dry before applying paints, primers or coatings

Environmental Health & Safety

- Non-toxic, non-hazardous, non-flammable, non-corrosive and odor-free
- Free of chrome, chlorofluorocarbons and other ozone depleting substances
- Does not require HAZMAT shipping
- No special disposal requirements
- Avoid contact with skin and eyes—goggles or face shield and rubber gloves are recommended when handling*

SKIN: Wash thoroughly with hand soap and rinse with water.

EYES: Flush with large amounts of water. If irritation persists, seek medical attention promptly.

INHALATION: No issues are expected under normal use.

INGESTION: Drink plenty of water or fruit juice. Do not induce vomiting. Seek medical aid.

DISPOSAL: Please follow all federal, state or local regulation regarding the treatment of waste.

Performance Results

Test Name	Test Description	Results
ASTM F519-97	Hydrogen Embrittlement	Pass
ASTM F484	Acrylic Crazeing	Pass
AMS P83310	Polycarbonate Crazeing	Pass
ASTM F483	Total Immersion	Pass
ASTM F1110	Sandwich Corrosion	Pass
ISO 1518	Paint Softening	Pass

*Before using this product, please read the corresponding Material Safety Data Sheet.

PHYSICAL & CHEMICAL PROPERTIES	
Boiling Point	219° F (104° C)
Freezing Point	28° F (-2° C)
pH (concentrate)	9.5– 11
Corrosive	No
Specific Gravity at 25° C	0.96 – 1.04
Vapor Pressure	17.3 mmHg at 20° C
Water Solubility	100%
Appearance	Nonwoven Wipe
Odor	None
Application Temperature	40–110° F (4–43° C)
Application Humidity	0–100%
Shelf Life	3 Years Unopened/ 90 Days - 1 year after Opening <i>(varies depending on storage)</i>
Inactive Ingredient	80-95% Water
Active Ingredient	< 7% Diethylene Glycol Monobutyl Ether
Wipe Material	Polyester/Cellulose Nonwoven



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