



**Manufactured to Last®**



**PRODUCT DESCRIPTION:**

INSUL-SHIELD SILVER™ is an exterior, outstanding proven performance, proprietary resin Ceramic formula, 100% acrylic, UV reflectant, Forming an insulating protective ceramic shield inside the coating film. Just one ceramic sphere can withstand 60,000 psi, and thousands of spheres are in just one gallon of paint forming an outstanding long lasting paint film. Easy to apply, excellent hiding performance and dries to a Beautiful finish. INSUL-SHIELD SILVER possesses excellent Mildew Resistance and Antibacterial Properties. INSUL-SHIELD SILVER comes With a 10 to 20 year Labor and Material Warranty. **OPTION: FADE RESISTANT WARRANTY USING OUR IR ENERGY TECH PIGMENTS.**

**INSUL SHIELD PRODUCT LINE:**

- INSUL-SHIELD FLAT™ 100% Acrylic Ceramic FLAT Wall & Trim house Paint
- INSUL-SHIELD SATIN™ 100% Acrylic Ceramic SATIN Wall & Trim House Paint
- INSUL-SHIELD SEMI-GLOSS™ 100% acrylic Ceramic SEMI-GLOSS Wall & Trim House Paint

**PRODUCT BENEFITS:**

- FADE RESISTANCE WARRANTY
- Labor & Material warranty
- UV Reflective
- ECO Friendly
- Long Term Superior Performance
- Ceramic Technology
- IR-Energy Tech Pigments
- Reduce Heat Transfer

**PRODUCT USES:**

For uses on walls, stucco, wood, properly primed metal, perfect for aluminum siding, applied to most substrates. Excellent for Condominiums, Apartments, Warehouses, Residential homes, Motels and Hotels, Commercial building structures.

**SURFACES PREPARATION:**

**PREVIOUSLY PAINTED SURFACES:**

Thoroughly clean surface of dirt, oil, grease, chalk, or foreign matter by scraping, sanding, scrubbing and/or rinsing. Scrape off any loose, blistering, cracking, or peeling paint using a wire brush and scraper. If peeling is extensive, strip, sand and prime the entire surface area. Sand all glossy surfaces before washing. This paint will resist mildew growth, but will not kill spores, which are nearly invisible and must be removed prior to painting. Scrub soiled, chalky or mildewed surfaces with a solution of one cup detergent, one-quart household bleach and one gallon of water. Protect shrubbery and grass. Pressure wash using 3,000 psi. The complete surface to be painted must be cleaned even if it looks clean, because invisible residues may cause peeling. Rinse surfaces thoroughly. Let dry 24 hours.

**UNPAINTED SURFACES:**

For best results use INSUL-SHIELD PRO SEAL™ Primer Sealer, before applying paint (may not seal stains).

**Wood:** Prime bare wood with one of two coats of primer Sealer depending on condition of the surface. Sand weathered or discolored wood down to solid wood. Clean free of all dust, then prime. Wood knots should be spot primed with shellac. Pressure treated wood must be aged at least 6 months before it can be primed.

**Metal:** Clean surface of all grease, oil and foreign matter before priming. Rusted metal and uncoating metal must be primed with PRO-PRIME RED-OX™, a Red Iron Oxide Primer Sealer.

**Masonry:** Prime masonry before painting. New masonry must either be sealed with PH PRIME™ or aged 60 days before priming.

**APPLICATION PROCEDURE:**

Stir well before using. Thinning is not recommended but if necessary use water sparingly. Do not apply when temperatures are below 40 degrees Fahrenheit or when humidity is very high. Do not apply when paint will be subjected to rain or heavy dew. Apply using brush, roller, or spray. When rolling, apply in a "N" pattern first, then cross roll to spread paint, and finish with light roller strokes in downward direction. Always roll or brush from untouched into wet paint areas. Allow at least 4 hours to dry before applying a second coat. Spread uniformly. Wait at least two weeks before washing the dry paint film. Coverage depends upon surface and porosity; 200-350 square feet per gallon.

**Clean Up:** Clean up all spills, tools and overspray immediately while the coating is still wet with warm soapy water.

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| Ambient Temperature of 77° and RH of 50% <b>TECHNICAL SPECIFICATIONS:</b> Rates & Times May Vary Beyond Specifications |                                     |
| FINISH: Flat   | SPREAD RATE: 200 to 350 sq.ft./gal. |
| COLOR: White, Deep & Clear Base  | DRY to TOUCH: 2-4 Hours             |
| VEHICLE TYPE: Copolymer Emulsion   | RECOAT: 12 Hours                    |
| SOLIDS by WEIGHT: 36% +/- 5%   | CURE TIME: 5 to 7 Days              |
| SOLIDS by VOLUME: 40% +/- 5%   | SIZES: 1 Gal., 5 Gal., 55 Gal.      |
| V.O.C.'s (averages): .38 lbs./gal. • 45.2 g/liter  | GALLON WEIGHT: 11.5 lbs. +/- .3lbs. |

Information presented on this Data Sheet has been compiled from sources to be reliable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. In Any Event Insulpro Paints will not be liable or responsible for any past, present or future leaks or any resulting consequential or incidental damages.

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|----------------------------------|--|---|
| Product Identification           | Product Name: <b>INSUL-SHIELD SILVER™</b><br>General Usage: Exterior Latex Paint<br>General Description: Pigmented Latex Coating<br>C.A.S. Number: None Established, Mixture   |   |
| Manufacturer Information         | Manufacturer's Name: InsulPro Paints Inc.<br>Address: 10300 W. Charleston Blvd., Suite 13-174<br>Las Vegas, Nevada 89135   |   |
| Chemical and Physical Properties | Color: White<br>Physical State: Liquid<br>Boiling Point: 212 Fahrenheit<br>Specific Gravity (H <sub>2</sub> O=1) >1<br>Vapor Presence: about the same as H <sub>2</sub> O<br>Percent Volatile:60-65%<br>Evaporation Rate (Butyl Acetate=1): <1   | Odor: Pungent Odor<br>Odor Threshold: Unknown<br>Melting Point: N/A<br>Freezing Point: 32 Fahrenheit<br>Solubility in H <sub>2</sub> O: Soluble<br>pH (undiluted): 8 to 8.5<br>Vapor Density (Air:1): <1  |
| Fire Protection Information      | Decomposition/Combustion:<br>Flash Point:<br>Recommended Extinguishing Media:<br>Flammable Limits:   | N/A<br>N/A; Does Not Burn<br>N/A  |
| Transportation                   | Hazard Classes:<br>Hazard Labels:<br>Hazard Determination:<br>Shipping Containers:<br>Shipping Class:  | None: Not Hazardous<br>Not Required<br>MSD Sheet<br>Varies<br>Class55; Water Based paint  |
| Ingredients C.A.S Numbers        | Modified Acrylic Polymer:<br>Titanium Dioxide<br>Attapulgite Clay<br>Mica<br>Calcium Carbonate<br>Texanol<br>Butyl Carbitol<br>Ethylene Glycol<br>Ammonia<br>Calcined Clay<br>Ceramic Micro Spheres<br>Propylene Glycol<br>Zinc Oxide<br>Potassium Triphosphate<br>Hydrous Kaolin Clay | Proprietary (non-hazardous)<br>C.A.S. #:13463-67-7<br>C.A.S. #12174-11-7<br>C.A.S. #12001-26-2<br>C.A.S. # 1317-65-3<br>C.A.S. #25265-77-4<br>C.A.S. #112-34-5<br>C.A.S. #107-21-1<br>C.A.S. #92704-41-1<br>C.A.S. #66402-68-4<br>C.A.S. #57-55-6<br>C.A.S. #1314-13-2<br>C.A.S. #13845-36-8<br>C.A.S. #1332-58-7 |

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| Health Hazard Data         | SHORT TERM EXPOSURE  |  |
|                            | Route of Entry:<br>Inhalation:<br>Skin:  | Precautionary Treatment<br>Expected None<br>Expected None  |
|                            | Eyes:  | Flush Immediately with large amounts of water for at least 15 minutes, holding eyelids open.                           |
|                            | Ingestion:   | Call a physician if significant amounts have been Swallowed. Give patient large amounts of water of milk for dilution. |
|                            | LONG TERM EXPOSURE   |  |
|                            | Carcinogen:<br>Target Organ Effects:<br>Other Health Hazards:  | None<br>None<br>None Known   |
| Personal Protection        | Respiratory Protection:<br>Protective Clothing:<br>Ventilation:<br>Other Protective Measures:<br>Eye Protection:   | No inhalation hazard expected<br>None Required<br>Local<br>None<br>Safety Glasses                                      |
| Spill or Leak Protection   | Accidental Release or Spill<br><br>Neutralizing Chemical/Media:  | Collect liquid or solid with absorbent package for disposal<br><br>N/A   |
| Treatability               | Biodegradability: With water prior to cure.<br>Influence on Biological Wastewater Treatment: None<br>Other Impacts on Wastewater Treatment: None<br>Recommended Wastewater Treatment: Dilutable<br>Constituents Interfering With or Not Amenable to Biological or Wastewater Treatment: None |  |
| Labeling                   | Explanation of Unique Labeling System: None Used   |  |
| Recommended Waste Disposal | Dispose of in accordance with Federal, State and Local guidelines.   |  |