

Technical Data Sheet INSULFLEX #1000

Insulating-Elastomeric-Waterproof Ceramic Coating

DESCRIPTION	<p>A high performance, decorative coating designed to seal and waterproof exterior masonry walls. Insul-Flex high-build, flexible, 100% acrylic coating is fortified with Hy-Tech insulating ceramics.</p> <p>When applied as directed, this product forms a thick rubber-like membrane that protects against driving rain, reduces sound and heat transfer through the coating, bridges minor surface imperfections, provides outstanding durability, and offers long lasting protection in a wide range of climatic conditions. Meets Federal Specification TT-C-55B for resistance to wind driven rains.</p> <p>Contains mildewcides to resist mildew growth on the coating. Excellent color retention, blister resistance, alkali resistance and mild chemical resistance. Easy to apply, low odor and fast drying.</p>
FEATURES	<p>Adhesion: Due to its excellent adhesive property to masonry surfaces, Insul-Flex will not chip, flake or peel.</p> <p>Flexibility: Insul-Flex's composition allows it to expand and contract with normal surface movement. Even under extreme temperature variations, it remains flexible, even as it maintains its toughness.</p> <p>High build coating: With Insul-Flex a high build coating is attained. This helps to hide surface blemishes, hairline cracks, while preserving the architectural features of the building. It also protects the surface from atmospheric pollutants thus making it extremely durable.</p> <p>Resistance: Insul-Flex's formula creates a tough barrier which resists dirt pick up, growth of fungus, algae, mildew, dry rot, moss etc. Importantly, it prevents hydrolysis which decomposes the film due to water exposure.</p> <p>Vapor permeable: Though water resistant, this tough and flexible film permits transmission of water thus allowing the walls to breathe normally and thereby increasing its life.</p> <p>Easy to apply: Being a water based coating, Insul-Flex can be easily applied by brush, roller or spray thus eliminating the need for skilled labor.</p> <p>Attractive and economical: Soft texture and low sheen makes Insul-Flex a very attractive option. And once applied little or no maintenance is required. Hence Insul-Flex is economical, too.</p>
USES	<p>Suitable for application to the following properly prepared surfaces: *Masonry *Stucco *Concrete block *Poured in place concrete, and tilt-up construction *Metal *Wood *Brick *Stone *Fiber cement siding. For homes, condominiums, apartments, warehouse, commercial buildings, hotels, office buildings and factories.</p>
SPECIFICATIONS	<p>Colors: Standard: White (May be tinted with up to 4.0 fl. oz. of Universal colorants per gallon.) Certification: Formulated without lead, mercury.</p> <p>Surface Preparation Surfaces must be clean and free of dirt, mildew, grease, excess chalk, loose or scaling paint. Paint will not stick to a chalky surface. For best results, it is recommended to pressure wash the surface with a minimum of 2500 psi of pressure and Hy-Tech House Wash. Mildew should be washed with a solution of 1 cup TSP, 1 Qt of household bleach and 3 Qts of water, rinse well and allow to dry. Prime then repair all nail holes, cracks or other surface imperfections with caulk or Hy-Tech Elasto-Patch elastomeric patching compound and allow to cure. Repair or replace any badly weathered or deteriorated surfaces. Scuff sand glossy surfaces.</p> <p>Recommended Primers: Aluminum and galvanized metal, #15 Aqua-Prime Rusted metal: Clean, wire brush and apply one coat #18 Metal Prime or # 17 Rust Cure Wood: Unpainted should be primed with # 16 Stain blocker. Synthetic Masonry Stucco (EIFS): Prime with Chalk Locker #10 or #50 Shields All. Masonry/ Concrete: New and previously painted, remove all traces of form releasing agents, Prime all chalky surface areas prime with Chalk Locker #10 or #50 Shields All.</p> <p>Application: Stir thoroughly before use. Apply 2 full generous coats by brush, roller or spray gun. Roller: ¾"-1-1/2" nap depending on surface texture. Spray: Remove all filters, tip size .021-.035 pump size 2 Gal per Min. Avoid over spreading. When spraying it is recommended</p>

that the first coat be back rolled to insure proper adhesion and crack filling. First coat should be allowed to dry overnight before applying the second coat. Do not thin or add other paints or solvents.

Clean brushes, rollers and other painting tools in warm soapy water after use

LIMITATIONS

Do not apply when temperature of air and surface is below 50° F (10° C), nor on damp and rainy days. Not recommended for steps, walkways, or other foot or vehicle traffic areas. Do not use on any horizontal surface including ceilings. Do not use for immersion service or substrates constantly in contact with moisture. Do not apply below grade. **CLOSE CONTAINER AFTER EACH USE. STORE in a clean, dry place. KEEP FROM FREEZING**

TECHNICAL DATA

RESIN TYPE: Acrylic
PIGMENT TYPE: Titanium Dioxide
FINISH: Satin
COLOR: Bright Tintable White
Recommended # of Coats: Two
WEIGHT PER GALLON: 11.9 lbs.
DRY TO TOUCH IN HOURS: 1/2 – 2
RECOAT TIME IN HOURS: 6 – 8
THINNER: Water
FLASH POINT: N/A
VOC IN GRAMS PER LITER: 90

WARNINGS!

If you scrape, sand or remove old paint from any surface, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD(5323) or log on to www.epa.gov/lead

KEEP OUT OF REACH OF CHILDREN ~ DO NOT TAKE INTERNALLY

USE WITH ADEQUATE VENTILATION. Avoid prolonged or repeated contact with skin and breathing of vapors or spray mist. Coatings should only be applied when ventilation is adequate. If there is not adequate ventilation, applicators should wear respirator protection approved by NIOSH / MSHA (TC-23C or equivalent).

Limited Warranty

The statements made on this bulletin, product label, or by any of our agents concerning this material are given for information only. They are believed to be true and accurate and are intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of materials and other variables affecting results are all beyond our control, Hy-Tech Thermal Solutions, LLC , does not make nor does it authorize any agent or representative to make any warranty of merchantability or fitness for any purpose or any other warranty, guarantee or representation, express or implied, concerning this material except that it conforms to Hy-Tech's quality control standards. Any liability whatsoever of Hy-Tech Thermal Solutions, LLC, to the buyer or user of this product is limited to the purchaser's cost of the product itself.

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