

## Ideal for all Industrial, Commercial and Residential Buildings

For use on virtually all surfaces including Stucco \* Cement \* Concrete Composite Cementitious Siding \* Wood \* Composite Wood Products \* Vinyl and Primed Metals

CERAMIC INSULCOAT™-EXTERIOR WALL is a strong, tough coating, formulated with hollow-core ceramic microspheres, strands and irregular particulate in a complex, 100% acrylic suspension with superior adhesion, breathability, elasticity and weather-proofing. It is designed to provide the ultimate protection against Ultra-Violet degradation and weathering. Ceramic InsulCoat EXTERIOR WALL™ has demonstrated thermal resistance under laboratory tests when compared to Batt Insulation. For optimum results always use highest standard building envelope preparation systems.

### Ceramic InsulCoat™- Exterior Wall Benefits

**Long-Lasting Finish** Lasts up to 20 years or more.

**Thermal Barrier** Protection. Ceramic particulate reflects heat, enhances heat management and extends life-cycle performance actors.

**Energy Efficient** Ceramic InsulCoat R:E ©coating system helps reduce energy by reflecting heat rays away from the coated surface. End users report four to fifty percent reduction in energy consumption plus greater creature comfort.

**Fire Resistant** Does not burn in the pail. Self extinguishing, does not support flame spread.

**Environmentally Friendly** 100% acrylic water-based product that meets today's strict environmental guidelines.

**Titanium Dioxide Enriched** Titanium Dioxide has ten times the refractive index of diamond and is an excellent UV inhibitor.

**Weatherproof** Creates a weatherproof membrane that significantly reduces potential damage and deterioration of the substrate. Reduces rot and mildew formation.

**Flexible** Expands to 160% with full memory return. Withstands normal building expansion and contraction. Resists chipping, flaking or peeling.

**Easy Maintenance** Easy to wash with municipal water pressure and conventional techniques.

**Colour-Fast** Full range of colours. Resists fading. White, pastels, bright and accent colours available.

**Breathable** Allows water vapor to escape from the interior.

### Simple 5-step Restoration Process

1. Pressure wash and clean, airbrush and clean substrate. Remove all loose materials.
2. Apply Fungicide treatment where applicable.
3. Repair all leaks. For substrate restoration, Master Painters preparation guidelines are recommended. Use proper envelope or substrate preparation systems.
4. Apply Ceramic InsulSeal© to porous substrates. Appropriate Primers may be required.
5. Finish with Ceramic InsulCoat WALL© for protection, enhanced insulation and beautification.

### Performance Characteristics

**Water Resistance (*wind-driven rain*)** When applied to Entech Coatings protocol of application producing a 12 mil dry film coat, water driven against the test surface at a dynamic pressure equivalent to 98 MPH (157.7 KPH) was unable to penetrate during a 24 hour test.

**Moisture Vapor Transmission** Test results have established a 20 perm rating for the Ceramic InsulCoat R:E™ Coating System. A "perm" is a unit of measure expressing a coating's ability to allow moisture vapor to pass through the film, or its "ability to breathe". The lower the "perm" rating, the more likely the coating will blister over time. Typical paints have a perm rate averaging 2 to 3, whereas high end acrylic paints are typically rated at 7 to 9. Moisture retention in wall systems has been proven detrimental to personal health.

For additional technical data and performance characteristics, please consult the Ceramic InsulCoat-EXTERIOR WALL™ Technical Data Sheet available on request or visit our web site at <http://www.entechcoatings.com>. *A thymotrophic product. Like yogurt, viscosity will appear to vary by age, temperature and agitation. To obtain workable viscosity always drill or shake before use. If found stiff, introduce InsulSeal© or InsulSeal 5.0© to achieve original viscosity.*

## **Ideal for all Industrial, Commercial and Residential Buildings**

For use on Composite Fiberglass Shingles \* Asphalt Shingles \* Various Membrane Systems \* Concrete and Fired Clay Tiles \* Primed Metals & Sidings

CERAMIC INSULCOAT™-ROOF provides beautification, UV protection & thermal barrier enhancement. It is a strong, tough coating, formulated with hollow-core ceramic micro spheres, strands and irregular particulate in a complex, 100% acrylic suspension with superior adhesion, breathability, elasticity and weatherproofing. It is designed to provide the ultimate protection against Ultra-Violet degradation and weathering. Ceramic InsulCoat™ROOF has demonstrated significant thermal resistance under laboratory tests when compared to Batt Insulation.

### **Ceramic InsulCoat™ Roof®Benefits**

**Thermal Barrier** Ceramic particulate plus high titanium levels provide significant thermal barrier protection

**Energy Efficient** Reflected heat rays increase efficiency. Slowing the movement of heat through the substrate provides heat management, greater comfort and reduced energy consumption.

**Fire Resistant** Self extinguishing, does not support flame spread.

**Environmentally Friendly** 100% acrylic water-based product that meets today's strict environmental guidelines

**Weatherproof Enhancement** Creates a weatherproof membrane that significantly reduces potential damage and deterioration of the substrate. Reduces rot and mildew formation.

**Flexible** Designed to resist improvement caused by thermal impact.

**Limited Colour Choices** Resists fading. White, pastels, bright and accent colours available

### **Suggested Preparation Procedures**

- Repair all leaks
- Pressure wash and clean, or airbrush and clean substrate. Remove all loose materials.
- Apply - Fungicide treatment where applicable.
- Apply - Ceramic InsulSeal® to porous substrates.
- Finish with Ceramic InsulCoat™ROOF for protection, insulation and beautification.



### **Performance Characteristics**

#### **Thermal Characteristics**

**Moisture Vapor Transmission** Test results have established a 20 perm rating for the Ceramic InsulCoat R:E™ Coating System. A "perm" is a unit of measure expressing a coating's ability to allow moisture vapor to pass through the film, or its "ability to breathe". The lower the "perm" rating, the more likely the coating will blister over time. Typical paints have a perm rate averaging 2 to 3, whereas high end acrylic paints are typically rated at 7 to 9. Moisture retention in wall systems has been proven detrimental to personal health.

"The Envirocoat Inc. Ceramic InsulCoat™ provided a greater thermal difference between the coated side and the uncoated side. The leading brand of exterior latex paint provided a much lesser thermal barrier difference. The conclusion therefore is that the Ceramic InsulCoat definitely provides a much better insulating factor than a regular exterior latex." *LS Consulting, Louis St. Laurent, Coatings Chemist.*

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