

MSDS MATERIAL SAFETY DATA SHEET INSULCOAT CODE: P56-100

PRODUCT DESCRIPTION

This Ceramic Heat Barrier Coating is a water borne emulsion of high quality. It dries by evaporation light stability and superior mildew resistance. It is formulated for metal and non-metal roofs and is warranted to hold occasional ponding water without deterioration. Unlike other coatings, it contains ceramic particles. These particles are the heat dissipating elements in the ceramic coating that give it the ability to save on cooling costs. It is applied to yield a tough, watertight, roof membrane.

OUTSTANDING FEATURES

Temperature reduction of up to 45% to 80%	Flexible
Non toxic	Mildew resistant
Energy saving	Non yellowing
	Clean up with soap and water

TECHNICAL DETAILS

TYPE	Pure Acrylic Emulsion
TEXTURE	Smooth
FINISH	Sheen
DRYING TIME	Surface: 1 Hour Hard: 4 Hours Recoating: 8 Hours
COLOUR	White
SPECIFIC GRAVITY	1.1
VISCOSITY	92-102 KU
NV. WEIGHT	58%
COVERAGE	Recommended 2 m ² /L
FLASH POINT	Non Flammable
SHELF LIFE	6-12 Months
DILUENT	Water-not normally diluted

NOTE: An adhesion promoted coating can be manufactured on request.

APPLICATION

Roller	Yes
Brush	Yes
Spray	Yes
Clean up	Water

APPLICATION ADVANTAGES

Excellent low temperature flexibility
High film build
Freedom of spatter
Excellent brush application

APPLICATION

Surface should be clean, dry and sound. Existing surface dirt, oil, tar grease and scale should be removed prior to application.

The Ceramic Heat Barrier Coating may be applied to other surfaces. Examples are wood masonry, after following preparation procedures recommended. It is recommended that flat roofs should have sufficient drain systems.

The Ceramic Heat Barrier Coating can be applied by brush or roller. It should be applied evenly without build up. Multiple coats are recommended to a total wet film thickness of 500 micron (0.5mm).

CAUTIONS AND WARNINGS

Do not take internally. Avoid contact with eyes. If solution does come in contact with eyes, flush immediately with water and contact physician for medical attention. Avoid prolonged contact with skin or breathing or spray mist. **KEEP OUT OF REACH OF CHILDREN. KEEP FROM FREEZING.**

TYPICAL PERFORMANCE PROPERTIES

ELONGATION	220% at 25°C
SOLAR REFLECTION	81.50%
WATER ABSORPTION	2.1% 30 Days
FUNGAL RESISTANCE	No fungal growth on sample in tropical chamber – 2000 Hours

PRODUCT MIXING

Before applying our product, the coating will have to be mixed thoroughly to ensure that all chemical/non – chemical components are well dispersed. Under no circumstances can our product be mixed with a mechanical or electric device exceeding 200 RPM. Mixing over 200 RPM will damage certain particles, prohibiting the product from functioning to specification. Ideal mixing should be done with a plunger or flat paddle before every application.

COMPONENT INFORMATION

Acrylic Polymer
Pigment
Water
Other

STORAGE CONDITIONS

Keep from freezing: material may coagulate. The minimum recommended storage temperature for this material is 5°C/34°F. The maximum temperature for the material is 45°C/120°F

This technical data furnished is obtained from controlled laboratory tests under ideal conditions. No guarantee of any performance characteristic is given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven product fault our liability will be limited to the replacement of the paint only. It is the users responsibility to confirm the currency of product data sheet.