



Radiant Heat Barrier Coating **BARRIER COAT#85**



**Aluminum/Ceramic
Radiant Heat & Vapor Barrier Coating**

Hy-Tech Thermal Solutions, LLC www.hytechsales.com
Headquarters: 165 Parkhill Blvd, W. Melbourne, FL 32904 USA Phone (321) 984-9777, Fax (321) 984-1022

DESCRIPTION	Barrier Coat #85 is an insulating radiant barrier paint made of ground metallic aluminum pigment blended into an acrylic polymer vehicle and reinforced with Hy-Tech Insulating Ceramics. Barrier Coat is designed for use as a radiant barrier coating for attics, ceilings, walls and also a superior water vapor barrier preventing "in the wall" condensation buildup due to water vapor transmission. The elimination of "in the wall" condensation improves existing insulation properties by keeping the insulation dry. Wall vapor barriers also eliminate peeling paint due to vapor transfer from inside to outside wall surfaces. Tests show that Radiant barriers can reduce summer ceiling heat gains by up to 42 percent compared to an attic with the same insulation level and no radiant barrier." Barrier Coat boasts a pure 0% VOC pigment in an environmentally friendly water base formula. Easy to apply, low odor and fast drying.													
USES	Ideal radiant heat barrier for ceilings, walls and in attics when applied to underside of roof decking.													
SPECIFICATIONS	Colors: Standard: Silver Gray Certification: Formulated without lead, mercury or solvents. 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 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. 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 .019-.024 pump size 1 Gal per Min. Avoid over spreading. First coat should be allowed to dry 1-2 hours 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) 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	<table border="1"> <tr> <td>COLOR: Silver Gray</td> <td>Vehicle Type: 100% Acrylic Emulsion</td> </tr> <tr> <td>Finish: Low Sheen</td> <td>Solvent: Water</td> </tr> <tr> <td>Recommended # of Coats: Two</td> <td>WEIGHT PER GALLON: 10.9 lbs.</td> </tr> <tr> <td>Drying Time Touch: 1 Hour Recoat: 1 hour</td> <td>FLASH POINT: Non-flammable</td> </tr> <tr> <td>Coverage: 250-300 square feet per gallon</td> <td>Pigment: Aluminum platelets/Ceramic microspheres 45%</td> </tr> <tr> <td>Dry Film Thickness 4.0 mils @ 250 SFPG</td> <td>Voc Level: Complies with all Federal, State and Local VOC standards.</td> </tr> </table>	COLOR: Silver Gray	Vehicle Type: 100% Acrylic Emulsion	Finish: Low Sheen	Solvent: Water	Recommended # of Coats: Two	WEIGHT PER GALLON: 10.9 lbs.	Drying Time Touch: 1 Hour Recoat: 1 hour	FLASH POINT: Non-flammable	Coverage: 250-300 square feet per gallon	Pigment: Aluminum platelets/Ceramic microspheres 45%	Dry Film Thickness 4.0 mils @ 250 SFPG	Voc Level: Complies with all Federal, State and Local VOC standards.	
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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, AVOID EXPOSURE. Before you start, find out how to protect yourself 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 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 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. Rev 03/15/2003