

Product Description

HeatBloc-Ultra is an aluminum colored, water-based, low emissivity (low-e) coating. When applied to building materials such as plywood, OSB or plasterboard, HeatBloc-Ultra lowers their surface emissivity to 0.19 or lower, blocking over 81% of the radiant heat trying to enter the home. It is classified by ASTM as an Interior Radiation Control Coating (IRCC). Meets 2010 Florida Building Code: Energy Conservation.

Basic Use

HeatBloc-Ultra is designed to be applied to the underside of the attic roof deck to significantly reduce the amount of radiant heat entering the structure, thereby reducing cooling requirements.

Limitations

HeatBloc-Ultra is designed for interior use only. Apply at temperatures between 40°F and 120°F. **Do not tint, add water or any other liquid or coat over the top! There must be an air space on the applied side of HeatBloc-Ultra to be effective.** We recommend at least one inch (1") of air space. HeatBloc-Ultra is not designed to withstand any handling.

Preparation

All surfaces must be clean and dry. Provide mechanical ventilation from a) home interior-to-attic-to-outside and b) outside-to-attic-to-outside. Run ventilation 10 minutes prior to use, during use and for at least 30 minutes after application. Mixing: Remove lid from Part B and use a spatula to empty entire content into a clean, empty 5 gallon pail. Open the 5-gallon pail containing Part A and give it a quick mix. Slowly add the Part A to the Part B while mixing, then mix thoroughly for 3 to 4 minutes with a high RPM drill and a squirrel cage type mixer or equivalent before use.

Application

HeatBloc-Ultra may be applied by brush, roller, or sprayer. The preferred method is spraying. If

using an airless sprayer, recommended pressure is 2,000 psi using tip size of 0.019" to 0.021". For best results use a spray pump size 3/4 GPM or greater. A 3/8" synthetic-nap roller can also be used.

Coverage

One kit covers approximately 1500 to 2000 square feet of surface area depending on the porosity of the surface, with higher coverage rates expected on metal substrates. Coverage will also vary by installer and application technique.

Packaging

Packaged as 2 parts. Part A is a 5-gallon pail of liquid and Part B is a 1-gallon pail of aluminum paste. Makes 4.3 gallons when mixed. Store HeatBloc-Ultra between 40°F and 100°F.

Technical Data

Appearance when mixed	Bright silver liquid
Dry time (depending on humidity)	2 to 5 hours
Emissivity ASTM 1371	0.19
Flame Spread Index E84	0
Smoke Developed Index	0
Vapor permeance E96	42.4 perms
Odor	Very mild paint smell
Shelf Life (unopened pail)	1 year
VOC	< 50 g/L
Cleanup	Soapy water

Technical Services

Technical advice on use of material for specific application and end use requirements is available from the manufacturer. Material Safety Data Sheet (MSDS) should be consulted for further information. This product is for industrial and professional use only.

Warranty

This product is manufactured of good materials and by competent workmen. Seller's and manufacturer's only obligations shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product. Before installing, user shall determine the suitability of the product for his/her intended use; and user assumes all risk and liability.

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