

Cool Barrier Radiant



Characteristics

An interior radiation control coating or radiant barrier coating is used for the sole purpose of limiting heat transfer by radiation and is not specifically intended to reduce heat transfer by convection or conduction. Cool Barrier Radiant is aluminium colored, waterbased, low emissivity coating. When applied to building materials such as plywood, OSB or plasterboard, on the underside of the roof deck, it creates an effective radiant barrier that will stop 75% of the potential radiant energy transfer into the attic.

Features/Benefits

- Increases efficiency of heating and cooling system
- Increases interior comfort level
- 100% seamless coverage of attic space
- More cost efficient than alternative attic systems
- Does not alter electromagnetic fields
- Will not disrupt attic-mounted antennae or cell phone reception
- Breathable
- Will not increase attic moisture
- One coat coverage on bare wood and primed metal
- Application by spray, roller and brush

For Best Performance:

Do not topcoat. Must remain in contact with air. Do not thin. Do not tint. It is not designed to withstand any handling. Use with proper ventilation. Ensure appropriate personal protective equipment is used so that the product does not come into contact with skin, eyes or clothing. Use impervious gloves and eye protection. Review Material Safety Data Sheet for further information. Do not expose to open flame. Make certain the most current versions of product data sheet and MSDS are being used. Proper application is the responsibility of the user.

Storage: Store in original containers in a clean, dry area between 4 and 32° C. Keep away from direct sunlight. Keep from freezing.

Technical Info:

Areas of Application: is designed to be applied to the underside of the attic deck or the underside of a roof to significantly reduce the amount of radiant heat entering the structure, thereby reducing cooling requirements.

OverCoat/Topcoating: Overcoating can be performed with the same product when the first layer is fully dried. Do not use any other coating material as topcoating.

How to Apply:

Apply to a clean, dust-free, dry surface. No need to prime. Remove all surface contaminants by washing with an appropriate cleaner. Rust and mill scale must be removed using sandpaper, steel wool or other abrading methods. Bare metal surfaces must be primed with the appropriate primer. It is usually recommended to prime the same day it is cleaned.

Limitations: Cool Barrier Radiant is designed for interior use only. Surface must be dry. Apply at temperatures between 40°F and 120°F. There must be air space on one side of Cool Barrier Radiant to be effective. We recommend at least one inch (1") of air space.

Way of Application: Mix thoroughly for 3 minutes with a squirrel cage type mixer before use. Application by spray, brush or roller.

Where to Use: Bottom side of roof decking. Metal roofing. Interior only.

Coverage: One lit will cover app. 2-3 Sqm.

Suitable Substrates: OSB, Plywood, Chip board, Wood, Metal, Concrete, Masonry.

Shelf Life: 12 months when properly stored.

VOC Content: 50 g/L.

Colour: Silver Grey.