

# THERMA=GUARD

*By Dutch Tech Inc.*

**America's strongest insulating underlayment!**

For metal buildings, pole barns, shops, steel framing,  
residential and commercial metal roofing.

## WHY USE THERMA-GUARD?

- Strongest insulative underlayment on the market
- Industry-leading UV-resistant coating
- Highly reflective
- Easy to install
- Holds staples like crazy
- Reduces condensation up to 95%
- Highly resistant to birds and pests



## R-VALUE UP TO 12\*

\*R Value based on combined radiant and thermal resistance function, also depends on assembly. See back side for details

Therma-Guard products manufactured by Dutch Tech Inc. are warranted against defects in materials and workmanship for 10 years in approved building or OEM applications when installed in accordance with Dutch Tech Inc.'s written instructions.



Available in 6' or 4' width, both come with 2" overlap. Also available with or without tape sealing edge.

## DUTCH TECH INC.

Call: 931-325-0000 • 107 3rd Ave E, Lobelville, TN 37097  
[dutchtechindustries.com](http://dutchtechindustries.com) or contact an authorized dealer



ADVANCING STANDARDS  
TRANSFORMING MARKETS

**RIMA** International  
Reflective Insulation Manufacturers Association International



## Thermal Resistance results for Therma-Guard (units ft<sup>2</sup>·h·°F/BTU)

### Assembly 1:

Low e (reflective) facing down (toward the interior) under 29 gauge metal roof, Heat flow down. R (air-film resistance included):

#### Roof slope

0 / 12	R 5.1
4 / 12	R 4.1
8 / 12	R 3.3

### Assembly 2:

1x4" board purlin under metal roof creating ¾" air gap:

	<u>Roof slope 0°</u>	<u>Roof slope 45°</u>
Heat flow down	R 4.8	R 4.4
Heat flow up	R 2.9	R 3.3

### Assembly 3:

Two reflective sides, one reflective under metal facing down, then 2x4" board creating 1.5" air gap, then another reflective facing up:

	<u>Roof slope 0°</u>	<u>Roof slope 45°</u>
Heat flow down	R 6.4	R 5.2
Heat flow up	R 3.8	R 4.2

### Assembly 4:

Floor above crawl space, low emittance (reflective) side faces downward, creating two enclosed air spaces:

	<u>Floor slope 0°</u>
Heat flow down	R 12
Heat flow up	R 6.9

The R-values shown above, as calculated by R&D Services Inc., include the enclosed air space, the insulation material, and the air-film resistance taken from ASHRAE Handbook-Fundamentals. Results are rounded in accordance with FTC Rule.

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