ULTRA-SHIELD™

America's strongest reflective insulation!

For metal building, pole barns, shops, steel framing,
residential & commercial metal roofing



WHY USE ULTRA-SHIELD?

- Strongest insulative underlayment on the market
- Industry-leading UV resistance
- Reflects 96-97% of radiant heat
- Easy to install
- Holds staples like crazy
- Reduces condensation
- Highly resistant to birds and pests



PROUDLY MADE IN USA

R-Value up to 12*

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

Ultra-Shield 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.

ADVANCING STANDARDS TRANSFORMING MARKETS

RIMA International Reflective Insulation Manufacturers Association International

Verified
US-016-10



750FT² coverage per roll

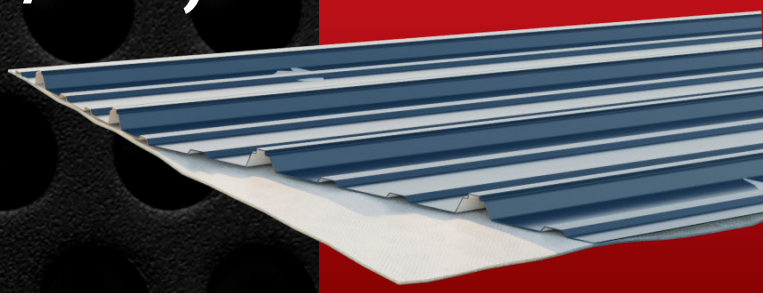
17" Diameter

72" Width

+2" overlap

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

Thermal Resistance results for Ultra-Shield (units ft2.h.°F/BTU)

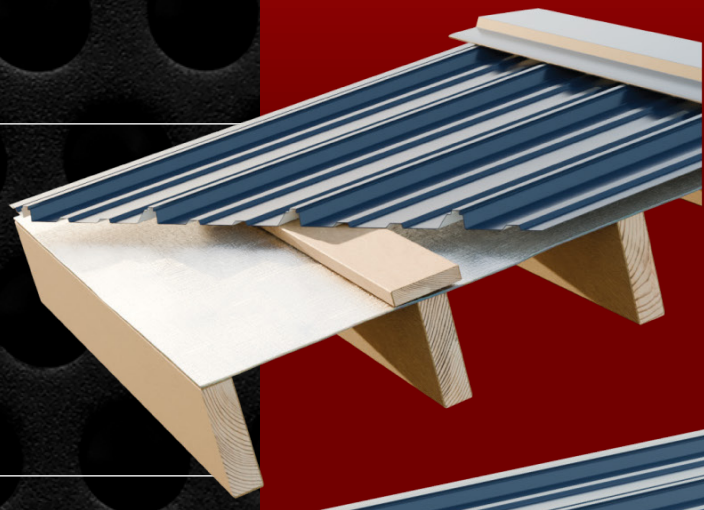


Assembly 1:

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

Roof slope

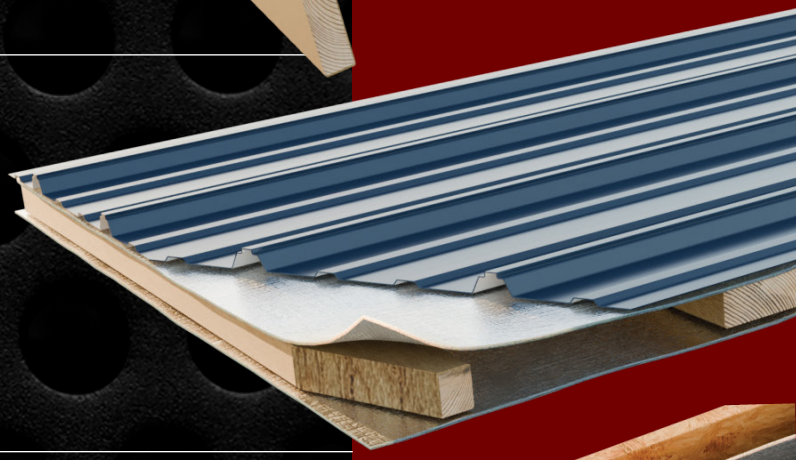
0 / 12	R 5.1
4 / 12	R 4.1
8 / 12	R 3.3



Assembly 2:

1 x 4” board purlin under metal roof creating 3/4” air gap:

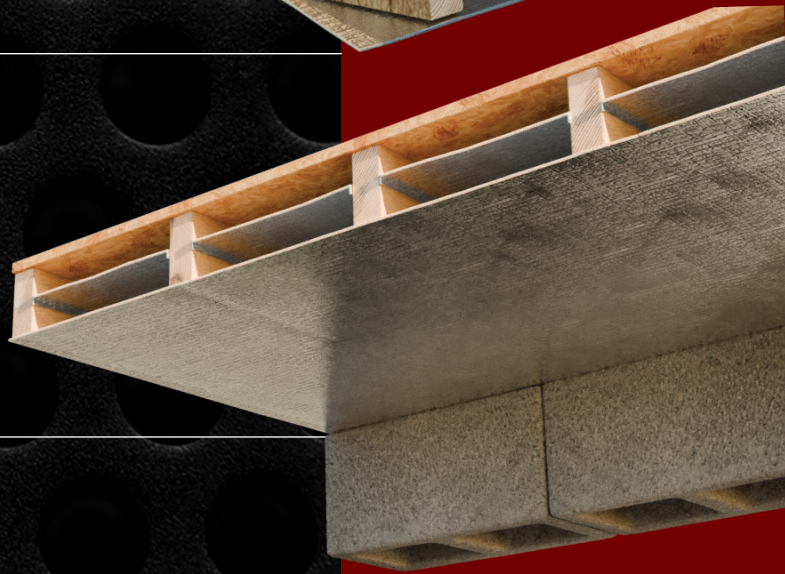
	Roof slope 0°	**Roof slope 45°**
Heat flow down	R 4.8	R 5.2
Heat flow up	R 2.9	R 3.3



Assembly 3:

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

	Roof slope 0°	**Roof slope 45°**
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:

	Floor slope 0°
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.