



Radiant Barrier USA
Innovating Reflective Technology

Highlights

- Water-Resistant & Breathable - Blocks moisture while controlling vapors
- The unique water-resistant design ensures effective protection of wall assembly
- High Reflectivity - 91% heat reflection, 9% emittance.
- Insulation Boost and reduces overall structure envelop U-value
- Works as a house wrap, and attic insulation.
- Easy Install - 5' x 100' reinforced roll saves time and adds durability.

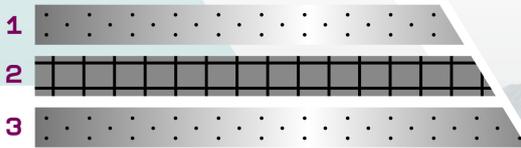
up to 5'



RADWRAP

T180 REF

Breathable Reflective House Wrap



- 1 Metalize Reflective 91%
- 2 Vapor Permeable Water Resistance Polymeric Core
- 3 Metalize Reflective 91%

Woven Core

Product Information

RADWRAP T180 REF: A breathable, water-resistant barrier with reflective properties, engineered as an advanced building membrane. It delivers high-performance moisture protection while enabling controlled vapor release through unique micro-perforation technology.



91%

REFLECT 91% OF RADIANT HEAT [Both Side]

Product name	Total R-Value (Rt) (ft ² xF ^h /BTU)****
T180 REF Wrap with R 15 blanket/foam	20.71
T180 REF Wrap with R 19 blanket/foam	25.71

R-Value Certification Statement: The proposed total R-values (Rt) for Polyshield products have been calculated and certified by Mr. James Fricker, MAIRAH, M.IEA, CPEng. The total values were derived using the Modified R-Value Method in accordance with ASTM C518 (Modified), along with the bulk insulation. All calculations incorporating air gap effects have been determined based on the methodologies outlined in the ASHRAE Handbook-Fundamentals (2021), page 26.21

Product Description

Polyshield RadWrap T180 REF2 is a breathable, water-resistant reflective house wrap engineered for residential, agricultural, and commercial use. With low emittance (9%) and high reflectivity (91%), it delivers superior thermal performance while allowing controlled vapor release.

As a house wrap, RadWrap T180 REF2 enhances air tightness, adds R-value to the building envelope, reduces heat gain in summer, and minimizes condensation for improved insulation efficiency.

The perforated version integrates seamlessly with bulk insulation materials such as wool, foam, or fiberglass, offering a complete solution for diverse building requirements. Constructed with dual metallized foils and a permeable film core, it reflects radiant heat instead of absorbing it while maintaining water resistance.

For specialized applications, a solid version is also available. Its 5' x 100' reinforced roll design ensures faster installation, reduced labor, and long-lasting durability making RadWrap T180 REF2 a practical, high-performance choice for builders and homeowners seeking reliable, energy efficient insulation.



- 1 Metalize Reflective 91%
- 2 Vapor Permeable Water Resistance Polymeric Core
- 3 Metalize Reflective 91%

Product Specifications

Standard Roll Size:	5' x 100'
Standard roll Weight (lbs) +/-5%:	18.5 lbs
Emittance (Metalized Foil Side):	9%
Reflectivity:	91%
Permeability ASTM E96-2 method B	15.0 Perms
Pliability (ASTM C-1224)	PASS No Cracking
Flame Spread, Smoke Development, and Fire Rating:	Class A / Class 1





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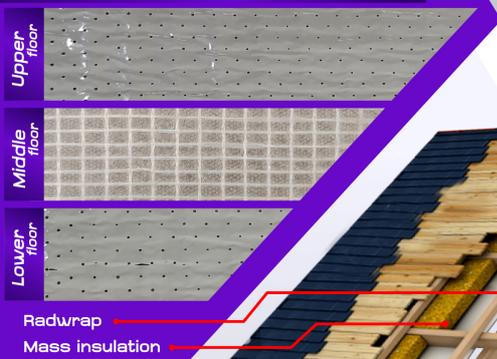
RADWRAP

T180 REF

Breathable Reflective House Wrap

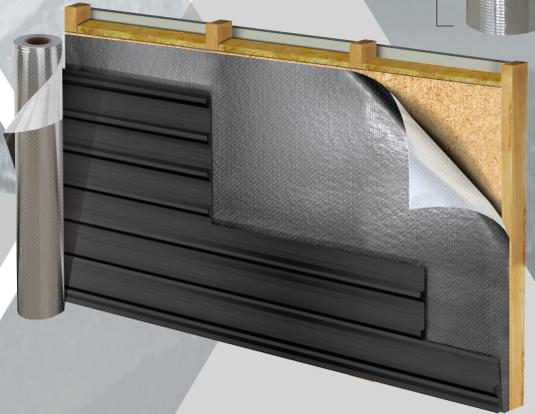


Product Structure



First
Only
Number

APPLICATION IDEAS



BE ACTIVE!
USE REFLECTIVE INSULATION NOW



91%

REFLECT 91% OF RADIANT HEAT (Both Side)



Width	Length	Ft ² coverage	Type
5'	100'	500'ft ²	Standard