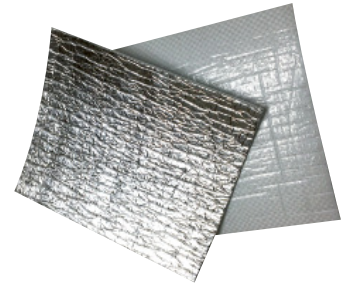


# ThermaTuff<sup>®</sup> INSULATION

**TEMPERATURE CONTROL, UNDER CONTROL**



## Benefits

Easy Installation  
Condensation Protection  
Radiant & Vapor Barrier  
Mold & Mildew Resistant  
Tear Resistant  
Excellent Longevity



## Physical Properties & Features

- 6'x125' Rolls (750 sq ft), 4'x125' Rolls (500 sq ft)
- 99.4% Pure aluminum + 4mm foam core + woven poly backing
- Radiant barrier / insulation / vapor Barrier all in one
- Reflects 97% of solar rays to reduce energy bills
- Easiest installation compared to other products – reduces labor costs

- Toughest woven polyethylene backing available without special order
- Can be used in new construction as well as retrofit applications
- Flame spread rating: 10 Class A (ASTM E-84-09)
- Smoke developed: 10 Class A (ASTM E-84-09)
- Perm rating – WVTR perms: 0.47
- Emissivity: 0.03 – 0.04

## Comparisons

	ThermaTuff	Bubble Insulation	Fiberglass	Spray Foam
Cost	Much less than fiberglass and spray foam	About the same as ThermaTuff	2x more than ThermaTuff	5x more than ThermaTuff
Installation	Heavy backing will not rip, bubbles will not pop, no itching	Rips easily and bubbles easily	Very difficult. Bulky material, itchy	Requires special equipment and protective gear
Protection from condensation	Yes	Yes	No	No
Radiant Barrier	Yes	Yes	No	No
Vapor Barrier	Yes	Yes	No	No
R-value affected by humidity	No	No	Yes	No
Mold and mildew resistance	Yes	Yes	No	No
Tear resistance	Very high	Easily tears	Easily tears	N/A
Use as roof underlayment	Very good. Easy to install; can be walked on.	Easy to install. Can not be walked on without popping.	Not used	Not used. Must be applied through home in attic space.
Longevity	Very good, woven backing puncture	Poor; bubbles pop, backing flakes	Moderate, backing will easily puncture	Very good

**WARNING** – Use extreme caution when using or installing ThermaTuff around electrical sources, aluminum is an excellent conductor of electricity, severe injury or death could occur if contacted with live electrical sources.