



YOU CAN'T CONTROL THE WEATHER.
BUT WHETHER IT'S TOO HOT OR COLD OUTSIDE...

TUFF-R Insulation can keep your home just right inside.

Blazing summer. Chilling winter. Damp spring. Fluctuating fall temperatures. Homes across the United States are subject to a variety of weather conditions – sometimes over the course of a few days. Despite the outside environment, TUFF-R* polyisocyanurate insulation helps keep home interiors dry and comfortable.

TUFF-R insulation features the highest insulation value of any foam sheathing. It is versatile, fitting numerous insulation and sheathing requirements. TUFF-R insulation is made of a closed-cell polyisocyanurate foam core sandwiched between durable,

exterior facers. Air cannot penetrate the facers, which also minimize water and water vapor intrusion into the foam. TUFF-R insulation can be easily applied to a variety of substrates.

Benefits

The primary duty of insulation is to help building occupants control and maintain a comfortable interior environment. And no product performs better than TUFF-R insulation for increasing home comfort. Traditional OSB or plywood sheets are commonly

used as a sheathing beneath exterior siding. These items offer little insulating value. TUFF-R insulation is an energy-efficient alternative to maintain comfort while lowering heating and cooling costs – a value enhancement for every home.

HIGHEST R-VALUE AVAILABLE

With an R-value¹ of 6.5 per inch, TUFF-R insulation is a builder's best option when seeking a product with excellent insulating power. Energy costs are reduced through a patented, thermally efficient, closed-cell

R value
of 6.5



polyisocyanurate foam core. It is available in 1/2", 3/4" and 1" thicknesses to conveniently meet various design needs. Durable with ultimate insulating power, TUFF-R insulation stands strong for the long term.

PROTECT AGAINST WATER AND AIR INTRUSION

TUFF-R insulation features two strong exterior facers. The first is a continuous sheet of aluminum foil; the other is a Tri-Plex facer with a three-ply laminate of durable virgin kraft with aluminum foil on both sides. Both facers are radiant barrier quality reflective foil.

The facers provide vapor diffusion retarder properties, reducing water and water vapor intrusion into the foam core. Keeping water from penetrating the foam also guards against moisture buildup. Less moisture means less potential for mold and mildew in the wall cavities. TUFF-R insulation

also functions as an air barrier – air cannot penetrate the aluminum facers – to further enhance its reputation as a leading interior insulator.

AS VERSATILE AS IT IS POWERFUL

TUFF-R insulation facers are virtually pinhole-free aluminum. The Tri-Plex facer is aluminum laminated to both sides of a durable virgin kraft. This provides a durable surface that can be nailed, stapled or glued. It is ideal for brick, stone, aluminum, vinyl, wood, composite and fibercement.

TUFF-R insulation should be installed where it will be separated from living areas by a minimum of 1/2"

gypsum board, or equivalent, thermal barrier. The product's numerous applications include:

- New frame wall construction behind masonry and siding
- Interior retrofit of existing walls under a new interior finish of

- 1/2" (minimum) gypsum board
- Exterior retrofit of existing walls under new exterior sidings
- Underlayment beneath roof shingles, over roof decks and in cathedral ceilings

SAVES COSTS – BEFORE, DURING AND AFTER INSTALLATION

Save installation time and cost with TUFF-R insulation. The Tri-Plex facer improves shipping, storage and handling durability. Less damage during these times means less product replacement and, more importantly, less cost. But strong doesn't mean that the product is difficult to install. TUFF-R insulation can be easily cut with a utility knife for the

perfect fit.

High, long-term R-value. Tough. Durable. When insulation is this dependable, the only concern should be how high or low to set the thermostat.



For more details on how TUFF-R insulation can keep your building comfortable, call your Dow representative.

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COMBUSTIBLE: Protect from high heat sources. Local building codes may require a protective or thermal barrier. For more information, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400.

THE DOW CHEMICAL COMPANY • Building Materials • 200 Larkin • Midland, MI 48674
FOR TECHNICAL INFORMATION: 1-866-583-BLUE (2583) • FOR SALES INFORMATION: 1-800-232-2436
www.insulateyourhome.com



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