

The logo for Roof-Tek is a dark blue, rounded rectangular badge with a slight 3D effect. It features the brand name "Roof-Tek" in a large, bold, white sans-serif font. Below the brand name, the text "Technical Roofing Solutions, Inc." is written in a smaller, white sans-serif font. The background of the entire page is a vibrant blue with a fine, white grid pattern. In the upper left corner, there is a close-up photograph of water droplets on a dark surface, with a curved metallic edge visible. A yellow vertical bar is positioned on the right side of the page, partially overlapping the text area.

Roof-Tek[®]

Technical Roofing Solutions, Inc.

SPRAYED POLYURETHANE FOAM (SPF)

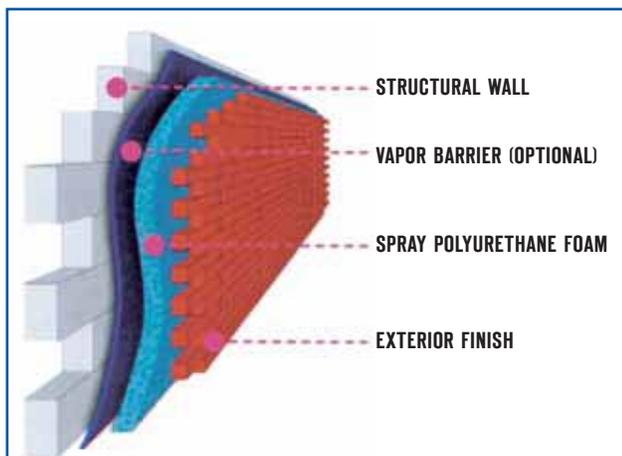
ENERGY-EFFICIENT, DURABLE PROTECTION FOR WALLS & CEILINGS

ROOF-TEK'S® SPRAYED POLYURETHANE FOAM (SPF)

Sprayed Polyurethane Foam (SPF) is a “closed cell” insulator used for walls, ceilings and roofs. Spray-applied, it forms a seamless, monolithic barrier against air and water infiltration. As a thermal insulation of walls and ceilings, SPF's unique combination of properties creates a highly functional barrier that protects the building's interior while adding to its structural strength.

PROTECTION

The multifaceted benefits and extended life span of SPF are now being fully realized in the construction industry. In use for more than 30 years, SPF is proving its dominance against other insulators in the market. It is more durable – even in the toughest elements – and more effective in protecting against the movement of air, heat and moisture. This minimizes dew point problems and condensation within the building envelope, which is the main cause of building deterioration over time.



BUILDING ENVELOPE – A building envelope is a system of construction components that provides protection against the movement of air, moisture and heat either in or out of the structure.

DURABILITY

To date, there is no known end to SPF's life-cycle. In buildings where it was first used over 30 years ago, SPF has shown little if any deterioration. It doesn't sag, settle or shrink, and generally requires no long-term maintenance.



RESISTANCE

This durability remains even when SPF faces the toughest environmental elements. The way in which it grips to the wall surface keeps it intact in strong winds and capable of maintaining its resistance to air and water penetration. It is even known to add strength to the building's structure.

EFFICIENCY

With the highest R-value of any insulation material, SPF not only reduces – but eliminates – drafts and heat loss, making it the most cost efficient insulation available. This means reduced consumption of fossil fuels and fewer green house gases. As an all-in-one air barrier, insulator and moisture barrier, SPF can reduce costs up front by reducing construction fees.

THE MULTIFACETED BENEFITS OF ROOF-TEK'S® POLYURETHANE FOAM

VALUE

- Highest R value of any insulation material
- Eliminates drafts
- Better climate control
- Lower construction costs
- Reduces fossil fuel consumption
- Little or no long-term maintenance
- Increased life of the building

COMFORT AND HEALTH

- Eliminates drafts and heat loss
- Improves air quality
- Protects against noise pollution
- Resistant to mold and mildew

CONSTRUCTION

- Lightweight
- Reduced load on structural members
- Allows for design options such as thinner walls
- Identified as a “green” or “sustainable” building material
- Meets insulation requirements for new construction and building improvements

USES

- Commercial and residential
- Cavity wall
- Precast concrete wall
- Curtain wall
- Roof

SPF should be professionally installed by an authorized application specialist. To learn more about the benefits of sprayed polyurethane foam or to find an authorized applications specialist in your area, contact Roof-Tek® toll free at (888) 284-7488.

PHYSICAL PROPERTIES

Density	2.0 pcf
Compressive Strength	28lbs./sq. in.
K Factor Aged	0.15
R Value Aged	6.6
Tensile Strength	45lbs./sq.in.
Closed Cell	>90%
Water Permeance	1.4 perm/in.

*This foam is rated CLASS I according to ASTM E-84

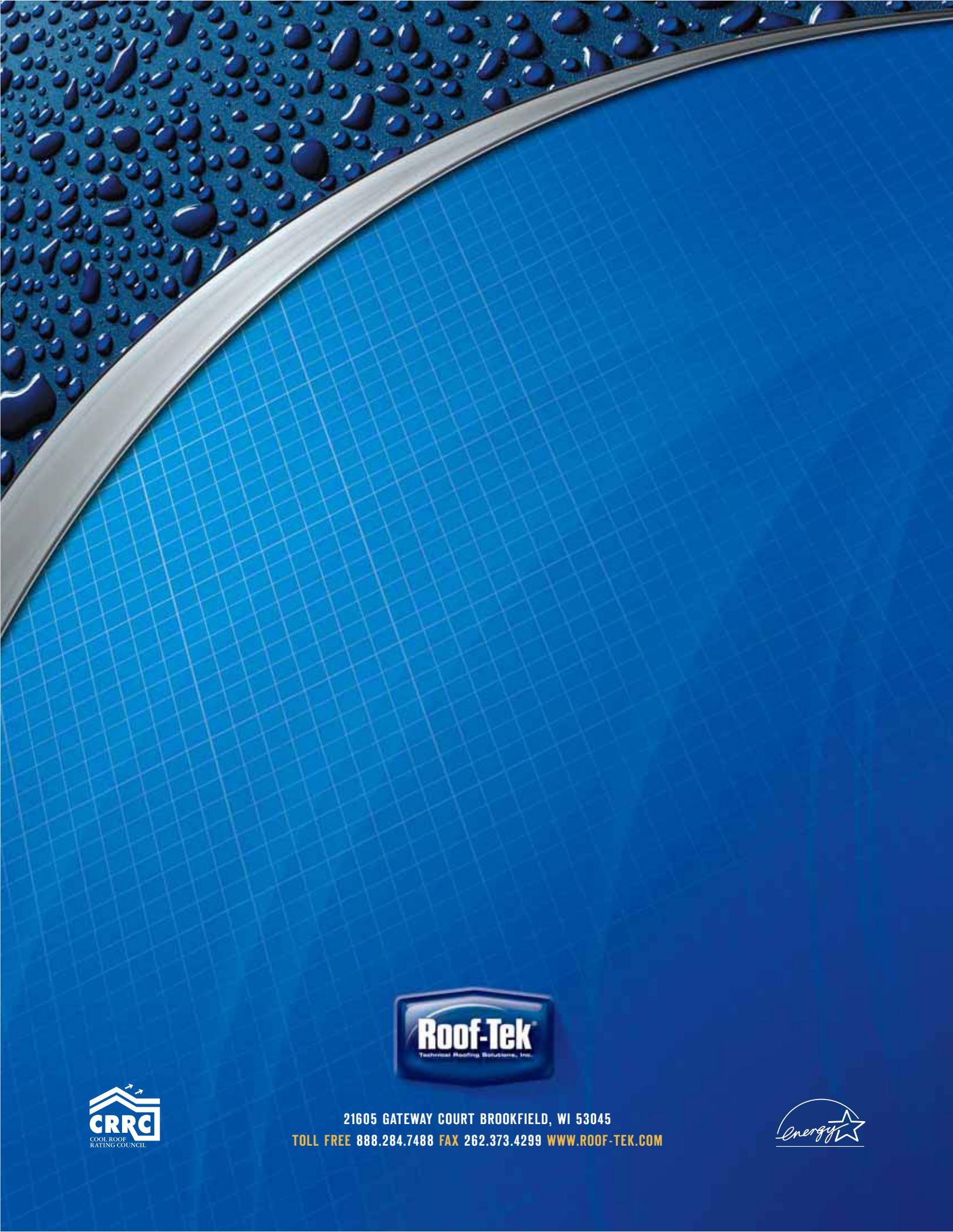


According to the National Association of Home Builders Research Center, a structure braced with SPF-filled walls suffers less damage and permanent deformation of wall elements during a hurricane.



Comparisons have shown up to 40% in energy savings by using SPF over commonly specified insulation materials.





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