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Spray Polyurethane Foam (SPF)

High performance insulation for energy efficient buildings

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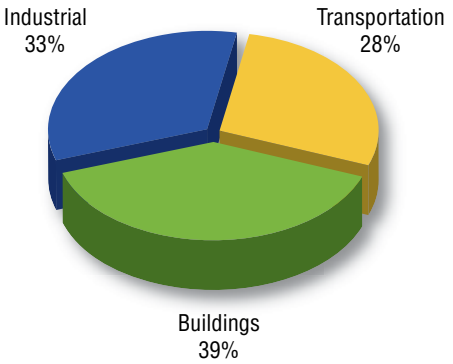
The Army and SPF at home

An energy saving, sustainable solution

BUILDINGS ACCOUNT FOR THE LARGEST US ENERGY DEMAND

US energy usage by sector

Source: DOE/EIA

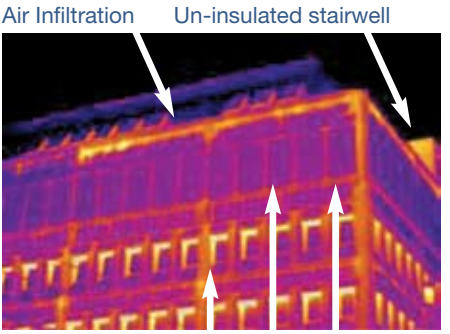


- 39% of US energy demand goes into buildings
- The military is one of the largest energy users
- Heating and cooling account for 40% of a building's energy load
- 40% of the heating and cooling load is wasted due to air infiltration
- Better Building Envelopes are key

NEW MANDATORY AIR TIGHTNESS STANDARD FOR MILITARY BUILDINGS

SPF is an effective way to meet this standard

- More practical vs. coatings or films
- Easily pass blower door test
- Highest R-value
- ROI typically less than 5 years
- Durable

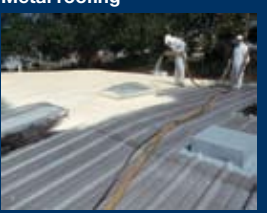


Thermal Bridging from metal studs + structural members

Wood frame walls

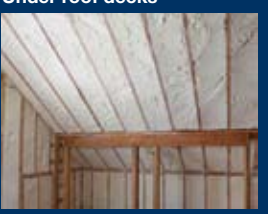
Exterior SPF onto CMUs

Metal roofing



Built-up roofing

Under roof decks



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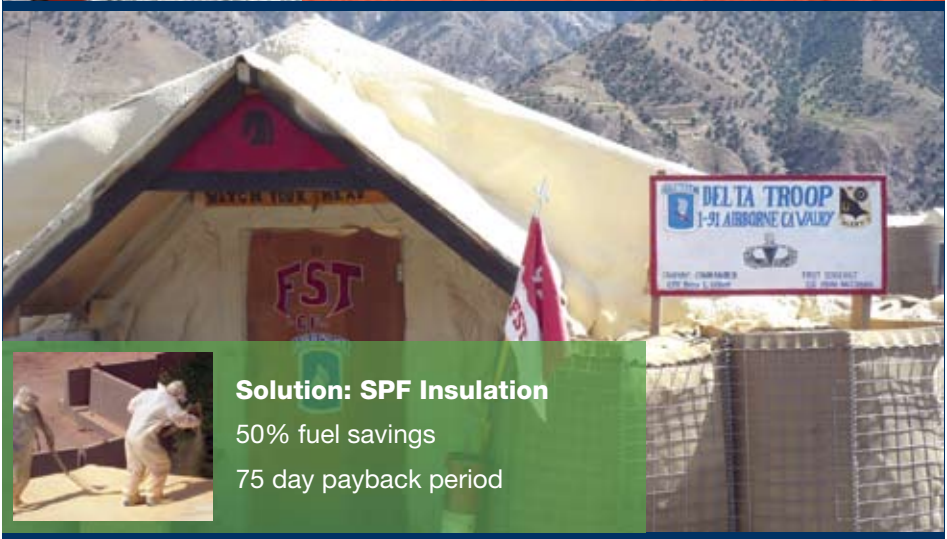
The Army and SPF in theater

Saving energy and money, providing soldier comfort

Problem

High casualty rate from convoys

80% of fuel used for soldier climate control



Solution: SPF Insulation

50% fuel savings

75 day payback period

Camp Victory in Baghdad, Iraq

Before SPF — 92°F

8 AC units

After SPF — 70°F

2 AC units

100 90 80 70

Source: U.S. Army AMSAA Study

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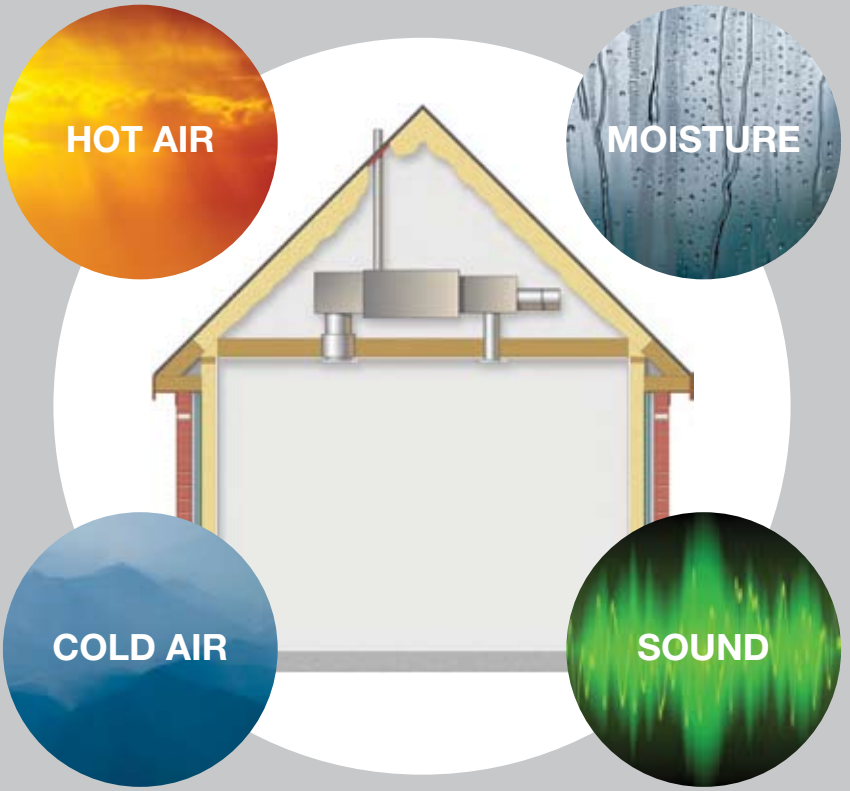

SPF insulation can help:

- Reduce heating and cooling costs by up to 50%[1]
- Increase wind uplift resistance by more than 300%[2]
- Create an air barrier for the building system

www.huntsman.com/insulation

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[1] vs. traditional fibrous insulation

[2] vs. common roof deck attachment methods

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