

25%

BETTER INSULATION PERFORMANCE

Dramatically cuts heating and cooling costs.

Insulating With ccSPF Delivers Ongoing Savings

SAVINGS FROM 1% IMPROVEMENT IN HOME INSULATION IN JAPAN = ¥46B OR THE ENERGY USE OF 61,000 HOMES FOR 1 YEAR

Energy costs are lowered immediately and the savings continue to grow.



The Japan Urethane Foam Association (JUFA) indicates that rigid spray foam systems made with HFO-1233zd blowing agent provide a lower global warming alternative compared to HFC systems.

JUFA acknowledges that because water-blown insulation systems have lower insulating performance, a thicker insulation layer is required to achieve the same R-Value as HFO-based systems.

Solstice LBA is a new blowing agent based on HFO technology. Spray foam systems formulated with Solstice LBA:

- Are categorized as A1H and A2H
- Earn the highest Level 5 rating by the Comprehensive Assessment System for Building Environmental Efficiency (CASBEE). A high CASBEE rating can help qualify for government subsidies, tax benefits, and improved mortgage terms.

LESS MATERIAL MEANS SAVING MONEY & TIME

Because less material is needed to achieve the same insulation performance, you also save money and time during installation.

- Blowing agent is produced in Japan
- Significant energy savings
- Air, vapor, thermal and water barrier
- Environmental benefits
- Part of sustainable building initiatives



CcSPF (Solstice LBA-blown)

24% THICKER
PU Foam (Water-blown) or Glass Wool

To achieve the same insulation performance as foam made with Solstice LBA, water-blown foam or glass wool needs to be 24% thicker.



SUPERIOR ENERGY EFFICIENCY THROUGH SUPERIOR INSULATION



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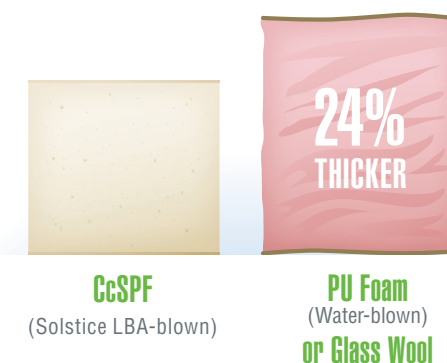
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SUPERIOR ENERGY EFFICIENCY THROUGH SUPERIOR INSULATION

CLOSED-CELL SPRAY FOAM WITH HONEYWELL SOLSTICE® LIQUID BLOWING AGENT

Creating more energy-efficient buildings will help you meet increasing energy standards as well as protect your business from rising fuel costs. One of the smartest choices for increasing energy efficiency is closed-cell spray foam insulation.



Lowers energy bills through superior thermal performance and air-sealing capability



Provides an air, sound and moisture barrier unequalled by other insulation types



Ultra-low GWP and non-ozone depleting for environmental benefits



Helps you meet the stringent requirements of modern, sustainable building design



BE ON THE LEADING EDGE OF ENVIRONMENTAL RESPONSIBILITY

A new energy standard in Japan mandates insulation for all buildings by 2020 and includes a higher thermal insulation requirement.

Revisions have been made to emission management regulations to reduce greenhouse gas emissions.

Japan has stated its intent to phase out of HFCs by 2020 (non-flon declaration).

The Japan Urethane Foam Association (JUFA), the Ministry of Economy, Trade and Industry (METI), the Ministry of Construction, industry groups and others are defining HFC phase-down steps.



Replacing HFCs in Japan with Solstice LBA is equal to removing:

680,000 PASSENGER CARS



Closed-cell spray foam formulated with hydrofluorocarbon (HFC) blowing agents provides excellent insulation performance, which contributes to energy savings. However, **HFCs are greenhouse gasses, so they contribute to global warming.**

The Global Warming Potential (GWP) of Solstice® LBA is 1, which is

99.9% LOWER

THAN HFC BLOWING AGENTS,
and equal to CO₂

