

Dow Corning® HPI-1000 Building Insulation Blanket

Thin-profile, flexible, high thermal resistance blanket

Potential Benefits

- Reduce thermal bridging
- Significantly increase thermal resistance in space-limited situations
- Enables new design possibilities
- Easy to install in difficult profiles such as curves and corners
- Fast installation with simple tools
- Fire resistant
- High permeability

Product Form

Dow Corning® HPI-1000 Building Insulation Blanket is available in a 10mm thickness.

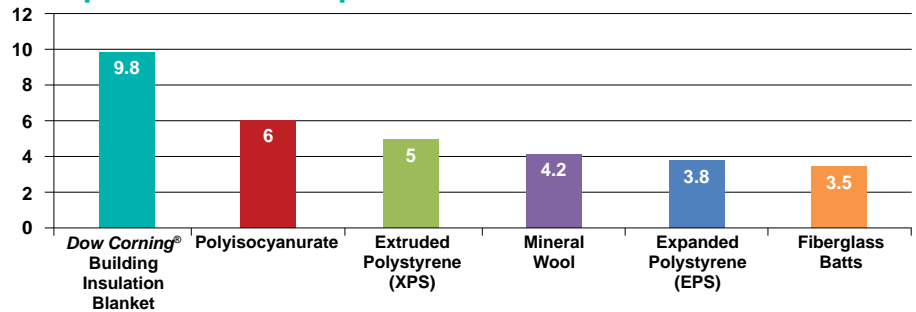
Freedom of Design

- No longer make tradeoffs in design in order to meet codes and regulations
- Eliminate bulky or messy insulation from those tight areas of your design
- Easily cut, bend, shape and glue the material in a shop or on site



Dow Corning® Building Insulation Blanket is a new insulation product with significantly improved thermal resistance as compared to conventional insulation products. Its thin profile, superb flexibility and compression resistance allow for thermal protection in hard to insulate spaces. It can be easily cut and conformed to complex shapes and tight curvatures and adhered without difficulty to building products. An ideal solution for sealing tough connection points in building envelopes, such as where glazing systems meet cavity walls, where below-grade systems meet above-grade systems and where parapets meet roofs. Dow Corning Building Insulation Blanket is also fire-resistant, hydrophobic and does not settle over time.

Comparative R-value per Inch



Thermal conductivity varies by specific grade of insulation for any given material family. Values shown represent typical values and are only provided for general comparison of families.

Insulation Material Information

	Dow Corning® HPI-1000 Building Insulation Blanket
Color	Gray
Thickness	10 mm
Thermal Conductivity (ASTM C518 ¹)	0.0146 W/mK
R-value/inch	9.8 (hr*ft ² *F)/(Btu*in)
U-value	0.58 W/m ² K per 25 mm thickness
Weight	0.31 lb/ft ²
Maximum Service Temperature	200°C / 390°F
Compressive Strength (ASTM C165)	10 psi
Fire Resistance (ASTM E84)	Class A: FSI 5, SDI 10
Hydrophobic	Yes
Wicking Potential	Low
Permeability (ASTM E96)	2300 ng/Pa*m ² *s / 41 US perms

¹ Measured at 2psi compression



Thin-profile *Dow Corning*® HPI-1000 Building Insulation Blanket can be cut to fit and easily installed in tight areas such as window openings to prevent thermal bridging.

Images: Page 1 - AV21588, AV21735; Page 2 - AV21843

HANDLING PRECAUTIONS

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