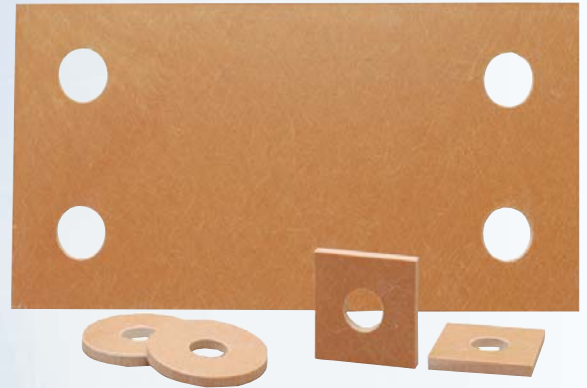


Thermal Insulation Material



Thermal insulation material (TIM) is manufactured from a fiberglass-reinforced laminate composite. The properties of this material provide a thermally efficient, energy-saving product that prevents thermal bridging in structural connections. TIM is a load bearing "thermal break" used between flanged steel connections. The primary benefit is that it maintains structural integrity while reducing heat loss.

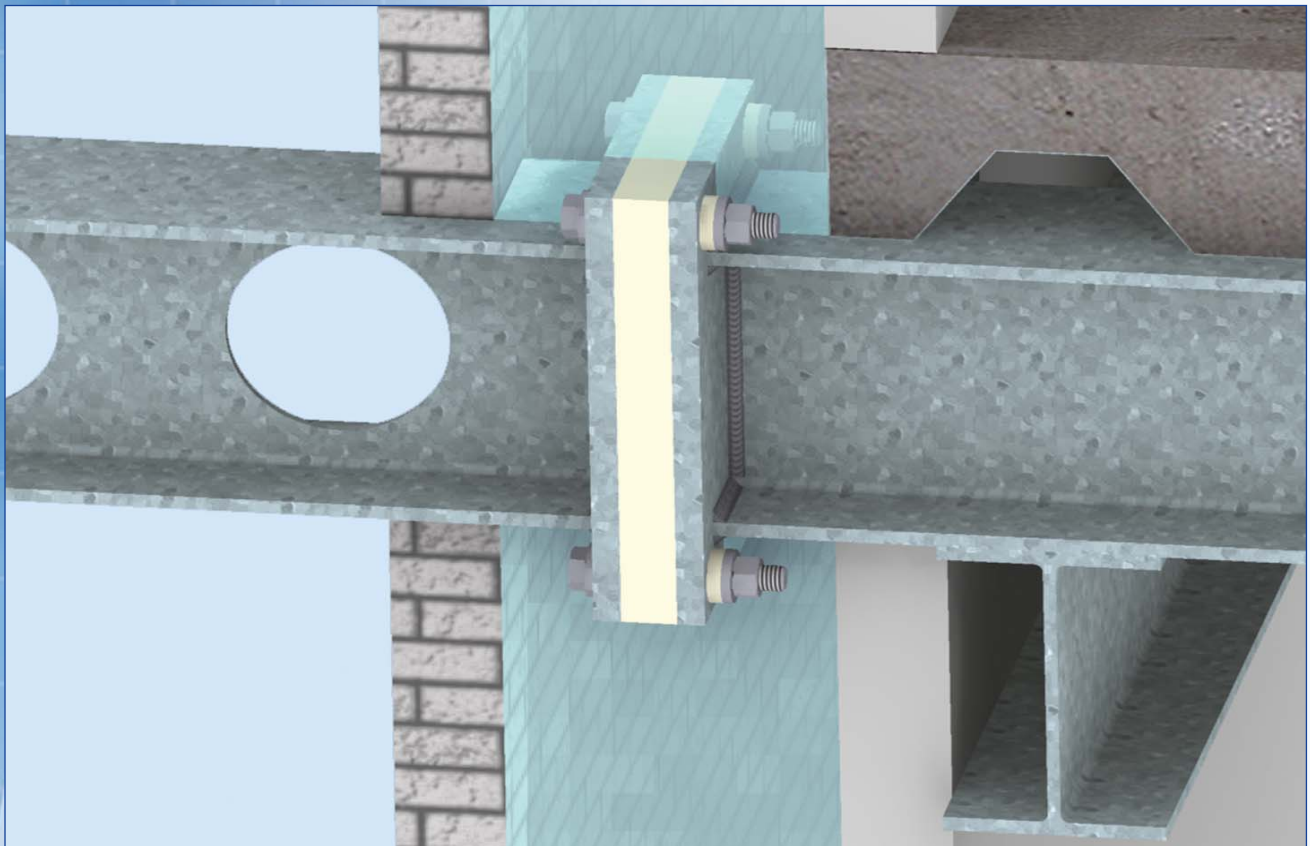


*Color may vary.

TIM material is supplied in sheets or cut to size per customer drawings/specifications and is available in thicknesses of 1/4", 1/2" and 1". It is also supplied as thermal break washers for the bolted connections between external and internal steelwork.

Features and Attributes

- Thermally efficient, energy-saving construction
- Eliminates potential condensation and mold
- High load capacity maintains structural integrity
- Low thermal conductivity reduces heat loss



Properties of Fabreeka's Thermal Insulation Material

Mechanical Properties

Tensile Strength	PSI	ASTM D638	9,400
Flexural Strength	PSI	ASTM D790	22,300
Compressive Strength	PSI	ASTM D695	38,900
Compressive Modulus	PSI	ASTM D695	1,450,377
Shear Strength	PSI	ASTM D732	13,400
Thickness	in	-	1/4", 1/2", 1"

Flame Resistance

Oxygen Index	%O ₂	ASTM D2863	21.8
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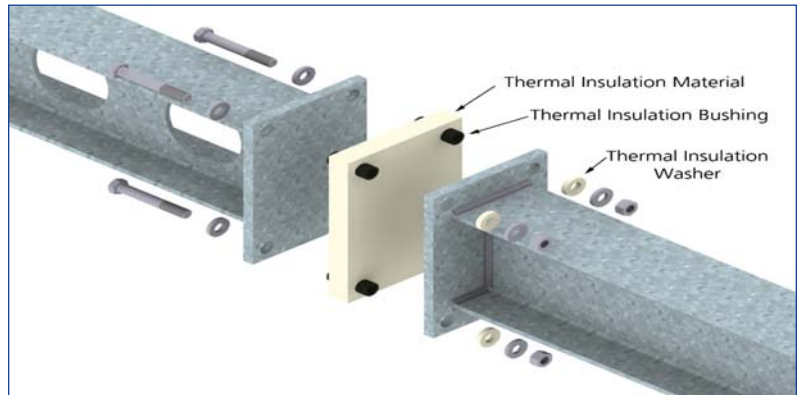
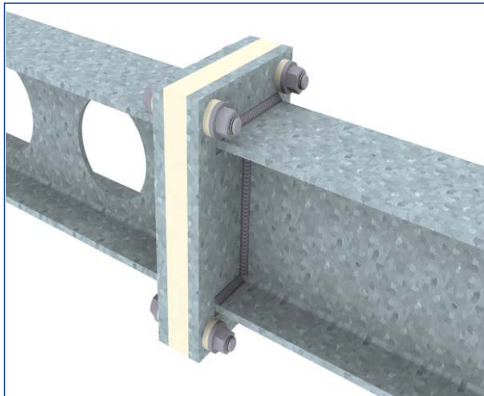
Thermal Properties

Coefficient of Thermal Expansion	in/in/°C x 10 ⁻⁵	ASTM D696	2.2
Thermal Conductivity	BTU/Hr/ft ² /in/°F W/m*K	ASTM C177	1.8** 0.259

**Reference: Thermal Conductivity of Steel

BTU/Hr/ft²/in/°F
W/m*K

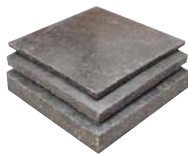
374.5
54.0



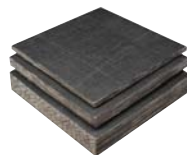
Additional Products for Building & Construction



Expansion Bearings



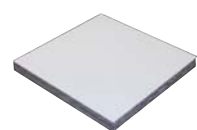
SA-47 Bearing Pads



Fabreeka Bearing Pads



Isolation Washers
& Bushings



PTFE Bearing Pads

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