

Light Load Thermal Break Products

For buildings designed to have a high performing envelope, another area of concern is for lighter load applications where Fabreeka-TIM[®] structural thermal break may be excessive. Thermal bridging or energy flow paths through highly conductive building components are considered in the envelope design of many different building types. Ultimately there is a need for a lighter load thermal breaks to prevent thermal bridging and improve energy efficiency when incorporating sustainable elements into your building envelope.

Applications range from facade support brackets and clips to metal building framing to certain concrete and precast connections. For these types of lighter load applications, the Fabreeka-TIM[®] LT Series thermal breaks have been developed to provide the most energy savings and the best return on investment.

Thermal Break LT Series - Fabreeka-TIM[®] LT15 & LT5

Fabreeka-TIM[®] LT15 material is designed for 1,500 psi loading, and Fabreeka-TIM[®] LT5 material is designed for 500 psi loading. Both provide better thermal insulation than vinyl and plastics, reduce corrosion between dissimilar metal elements, and both are made from recycled materials, which help to achieve LEED credits.

*Optional adhesive backing for easier installation is available upon request.

Properties of Fabreeka-TIM[®] LT Series

| | | LT15 | LT5 |
|--------------------------------|-------------------------------|-------------|-------------|
| Thermal Conductivity | BTU/Hr/ft ² /in/°F | 0.792 | 0.792 |
| Max Compressive Operating Load | PSI | 1,500 | 500 |
| Operating Temperature Range | °F | -40 to +158 | -40 to +158 |
| Thickness (nominal) | in | 1/8, 1/4 | 1/8 |

Note: Fabreeka-TIM LT15 and LT5 are only to be used in *non moment* connections, not for structural connections.

Applications for Fabreeka-TIM[®] LT series include:

- Parapets, Soffits, Roof to Wall transitions
- Steel Stud Exterior Walls
- Masonry Ties
- Cladding attachment support clips for Z-girts, C-channels, Hat channels used in:
 - Curtain Walls, Rain screens, Metal Wall Panels, Veneer Walls, Louvres
- Concrete and Precast joints and accessories
- Metal Building Framing
- Below Grade to Above Grade transitions

