

## Thermally Broken Framing

Thermally broken aluminum products typically feature a “bridge” made of either high-density catalyzed polyurethane or a polyamide strut. These thermal bridges completely segregate the inside metal from the outside metal. (See image below)



Builders, designers and window installers should position each product so that the thermal material and insulated glazing align with the thermal material of the wall so as not to cause thermal bridging.

Polyurethane and polyamide are required in a sill but sill panning **MUST BE USED** since neither of these materials is designed to hold standing water for the life of the window. Fleetwood provides a thin aluminum pan with **EVERY** thermally broken aluminum window/door. If concerns exist that this pan will cause thermal bridging, steps should be taken to create a different panning system.

Note: While considering thermally broken aluminum framing, consideration should be applied to the potential for [Solar Expansion/Thermal Twisting](#).