



SHEAR STRENGTH

Proper assembly of Bautec strips with an aluminum extrusion creates a true mechanical connection. Certified testing and analysis per AAMA's TIR-A8 demonstrate it has the ability to carry the loads necessary to meet the latest building codes. In addition, Technoform Bautec strips and aluminum have a similar expansion coefficient, which eliminates the high stresses normally associated with temperature variations to which exterior building envelopes are exposed.

At the beginning of an assembly run, it is advised to run a shear test to ensure that all equipment and processes are in spec and producing a quality product. Although each assembly must meet the particular structural requirements for its intended application, Technoform Bautec recommends that a 4-inch test sample exceed 800 lb. of shear strength along the longitudinal axis, or 200 lb./in. This will meet the structural requirements for most commercial applications.

The shear value may be increased or decreased based on specific project or product criteria as specified by the design engineer.