



Dynamic Joint/UL Listing Terminology

Definitions:

- 1) **Nominal Gap** – distance between installed “starting” position of wall sheathing and closest point of substrate
- 2) **Movement Capabilities:**
 - Class I (Thermal) - 1 Cycle/min (500 cycles)
 - Class II (Wind Sway) – 10 Cycles/min (500 cycles)
 - Class III (Seismic) – 30 Cycles/min (500 cycles)
- 3) **Extension** – wall sheathing being pulled away from “starting” position and substrate increasing overall width of joint
- 4) **Compression** – substrate pushed toward wall sheathing decreasing overall width of joint
- 5) **L-rating** – Air/Smoke Leakage Rating at .30 inch (7.47 Pa) of water
IBC 2006 Section 713.6 - Max 5 cfm/lft in rated joints
- 6) **Encumbered Joint** – systems requiring materials be located in “gap” between wall sheathing and substrate or limited by elasticity, compressibility, or adhesive characteristics of coating materials overlapping both substrate and wall sheathing
- 7) **Unencumbered Joint** – “gap” between wall sheathing and substrate free of any material (joint protection typically resides inside or outside “gap” and is not connected to both substrate and wall sheathing)
- 8) **Compression Only Design** – joint designed to accommodate compression of joint from “installed/starting” position with possible return to no more than “installed/starting” position - Typical design would be one story structure
- 9) **Combined “Overall” Movement Capability (MC) multi-story** – joint designed to accommodate both compression and extension at head of wall joints. Typical design is a multi-story structure joints experiencing either compression or extension on different levels due to loads or deflecting forces placed on individual levels