

## Panel Manufacturing Tolerances

### Length

Up to 20 ft:  $\pm 1/8$  in.

Over 20 ft.:  $\pm 3/16$  in.

Width  $\pm 1/8$  in.

Thickness  $\pm 1/8$  in.

Squareness  $\pm 1/8$  in. (measured 6 in. from end)

### Lateral Bow

Up to 10 ft.  $\pm 3/32$  in.

10 ft. to 20 ft.:  $\pm 3/16$  in.

Over 20 ft.:  $\pm 3/8$  in.

Flatness  $\pm 3/16$  in. per 2 ft. span

Joints Male/female joint edges flush, with not more than 1/8 in. deviation

Finish Panels free of surface imperfections (dents, mars, scratches, etc.) visible with panel in position of intended use and view under good light from intended installed distance or 8 ft., whichever is greater.

### Other Manufacturing Guidelines

PermaTherm Architectural Insulating Panels are designed to carry specified total loads, with maximum computed buckling stress not to exceed the maximum allowable buckling stress of the facings.

The inside face of all panels must be cut at girt attachments to avoid compression buckling of the exterior skin.

Wherever interior panel skins are extended to the outside (warm side) surface, a thermal break must be cut to avoid thermal conductivity.

Block panel packages should be stored above ground to keep out of water, and on a sloped surface to provide drainage.