

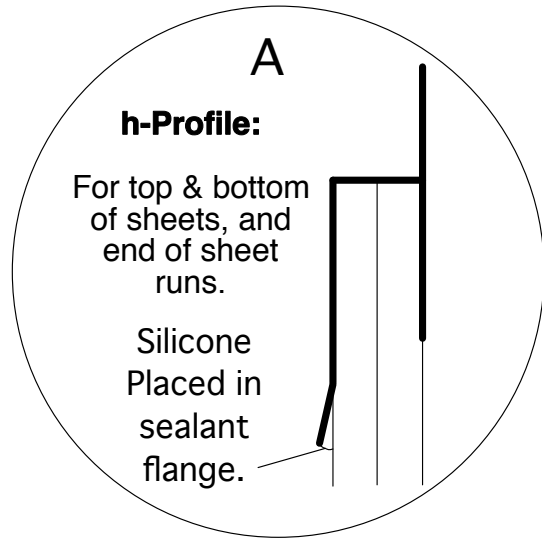
16mm Wall System - For clerestories, curtain walls & other wall applications. Design & Install Details

Fasten continuous 8 ft. lengths of h-Profile (A) along length of where poly to be installed. Cut poly sheets to length, leaving room for expansion if installing on a cold day. Cut Base and predrill 3/16" holes for attachment screws (in center of Base) 2" from end & every 12", then attach Base (B) to studs (set 48.75" to 49" on-center for 4 ft. sheets, 72.75" to 73" for 6 ft. sheets) or fasten at horizontal girts. Keep in mind Base butts with bottom of "h" and ends 1" before end of poly, where lower "h" is placed. Predrill 3/16" holes in Cap starting at 3/4" to 1" from end & every 12". Take 1st sheet, set on frame & attach h-Profile along bottom edge. Make sure 1/16" weep holes are drilled in lower h-profile, every 12", to allow for moisture to escape. Continue moving down the wall attaching Caps to Bases, laying h-Profiles, etc. h-Profiles can also go along vertical ends of first and last sheet. Once all sheets are set place silicone in sealant flange, top, bottom and sides. See Screw Attachment below for wind resistance.

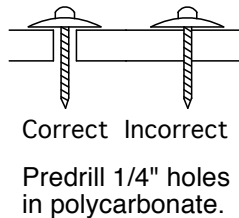
Only White Aluminum Available

(Bronze & Clear Anodized - Large Quantity Special Order - 6 wks)

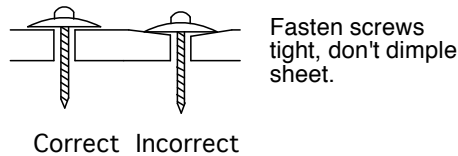
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Note: Poly sheets expands & contracts 1/32" over a 100° temperature swing.



Screw Attachment



Fasteners: The only fasteners that go thru the polycarbonate sheet are screws set in center of sheet to resist negative wind loads. 4 ft. sheets get a screw in the center. 6 ft. sheets receive 2 screws, one 1/3 way in from the left and one in from the right. Sheet receives support at top, bottom, left, right and as needed in middle of sheet so maximum square footage of unsupported sheet is not exceeded. Keeping this in mind see chart below. The feet indicated represent how often to place screws.

Max. Wind	Max. Size of Unsupported Sheet	4 ft. sheet	6 ft. sheet
90 mph	18 Sq. Ft.	4 ft. 6"	3 ft.
100 mph	17 Sq. Ft.	4 ft. 3"	2 ft. 10"
110 mph	16 Sq. Ft.	4 ft	2 ft. 8"

For stronger winds consult Sundance Supply, LLC

