



Fiberglass Reinforced Polymer Panels

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Technical Data

Drilling

Resolite panels should be pre-drilled at a position no less than 1-1/2" from the end of the panel. More than one panel can be drilled at a time, using the recommended drill bit size as identified herein.

When predrilling more than one panel at a time, align and stack several sheets and support them directly under the area to be drilled. Use high speed or carbide tipped drill bits under moderate pressure. Care should be taken to drill the appropriate size hole in the appropriate location for the fastener being installed (1/4" for structural fastener holes, 3/8" for sidelap fastener holes). The hole must be drilled straight through (perpendicular to the plane of the panel) to insure a watertight seal under the washer of the bolt head is achieved.

When predrilling structural supports, use the drill bit recommended by the fastener manufacturer for the specific project. A sample drill bit guide is provided below. Please note that drill bit sizes are approximate. Variations in hardness of supporting steel materials or other factors may require adjustment in drill bit size to permit proper installation.

DRILL BIT GUIDE (Note: These are only recommendations- It is installers responsibility to field verify)

Fastener Type	Structural Framing	Drill Bit Type	Diameter
#14 B Point	.065-.085	#8	.199"
	.085-.115	#7	.201"
	.115-.375	#1	.228"
	.375-.500	#1 (or larger, depending on hardness of steel)	.228"
#14 A Point	Wood	5/32"	.156"
	Pultruded FRP	3/16"	.188"