

RibCore™ by Trusscore® is a high-strength PVC corrugated panel that is long lasting, cost effective, and simple to install and maintain. Ideal for a broad range of agricultural, commercial, industrial, and even residential applications including on the ceiling. RibCore is engineered to support common types of insulation behind panels, often referred to as backloading.

When used for ceiling applications at joist spans of 24" and 48", the following table can be used as a guideline to determine expected panel deflection based on the overall weight of the insulation above.

Weight of Insulation (lb/ft²)	3" RibCore	
	Deflection (mm/in) (3 Screws Along Joist)	
	24" On-Center Joist Spacing	48" On-Center Joist Spacing
0.50	2.05 mm/0.081 in	2.92 mm/0.115 in
0.67	2.24 mm/0.088 in	4.43 mm/0.174 in
0.83	2.69 mm/0.106 in	5.26 mm/0.207 in
1.00	2.98 mm/0.117 in	6.04 mm/0.238 in
1.50	4.29 mm/0.169 in	8.62 mm/0.339 in



We do not recommend exceeding the maximum loading condition of insulation shown when using RibCore by Trusscore. Consult the [RibCore Installation Guide](#) to achieve the best results.