

Trusscore® Wall&CeilingBoard™ is designed for industry-leading strength and durability, making it an ideal solution for ceiling applications. Trusscore Wall&CeilingBoard is engineered to support the installation of insulation behind panels, often referred to as backloading, for common insulation R-values including insulation types found in most residential applications.

When used for ceiling applications at joist spans of 16”, insulation R-values up to R80 can be safely installed above Trusscore Wall&CeilingBoard with no visible deflection in the panels.

For joist spans of 24” and 48”, the following table can be used as a guideline to determine expected panel deflection based on different insulation types at various insulation R-values. The values shown below are based on dry environment conditions and may vary if exposed to moisture.

	Fiberglass Batt		Fiberglass Blown-In		Cellulose		Stone Wool	
	Span	Span	Span	Span	Span	Span	Span	Span
R	24"	48"	24"	48"	24"	48"	24"	48"
10	0.037"	0.075"	0.036"	0.074"	0.044"	0.102"	0.048"	0.117"
20	0.042"	0.093"	0.043"	0.096"	0.057"	0.148"	0.064"	0.175"
30	0.046"	0.111"	0.049"	0.118"	0.069"	0.193"	0.080"	0.234"
40	0.051"	0.129"	0.055"	0.140"	0.081"	0.238"	0.096"	0.292"
50	0.056"	0.147"	0.061"	0.162"	0.093"	0.283"	0.112"	0.351"
60	0.061"	0.165"	0.067"	0.184"	0.106"	0.328"	0.128"	0.409"
70	0.066"	0.183"	0.073"	0.206"	0.118"	0.373"	0.144"	0.468"
80	0.071"	0.200"	0.079"	0.228"	0.130"	0.418"	0.160"	0.526"

 We do not recommend exceeding these insulation R-values when using Trusscore Wall&CeilingBoard. Consult the [Trusscore Wall&CeilingBoard Installation Guide](#) to achieve the best results.