

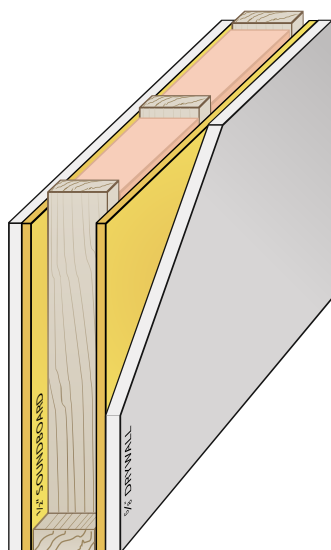
Green Glue –vs.– Soundboard

Green Glue Company is pleased to present data for Green Glue (a viscoelastic damping material) and soundboard, a commonly used and low cost sound isolation product. Green Glue adds more cost to the wall than soundboard (which is a relatively inexpensive material), so for its use to be justified, it would have to perform considerably better than soundboard.

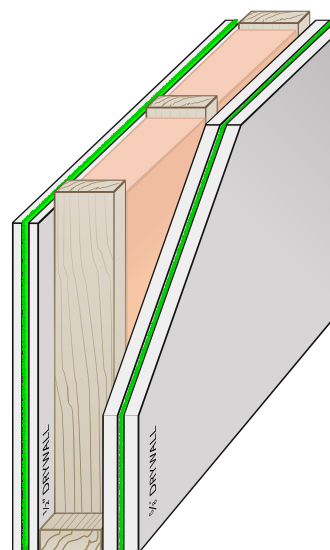
The data was collected at Orfield Laboratories, an independent NVLAP accredited lab in Minneapolis, MN, in 2005 on nominally identical wall configurations.

Part 1 - Test Description

To compare Green Glue and Soundboard we selected a common wall configuration in line with configurations typically tested by acoustic product manufacturers.

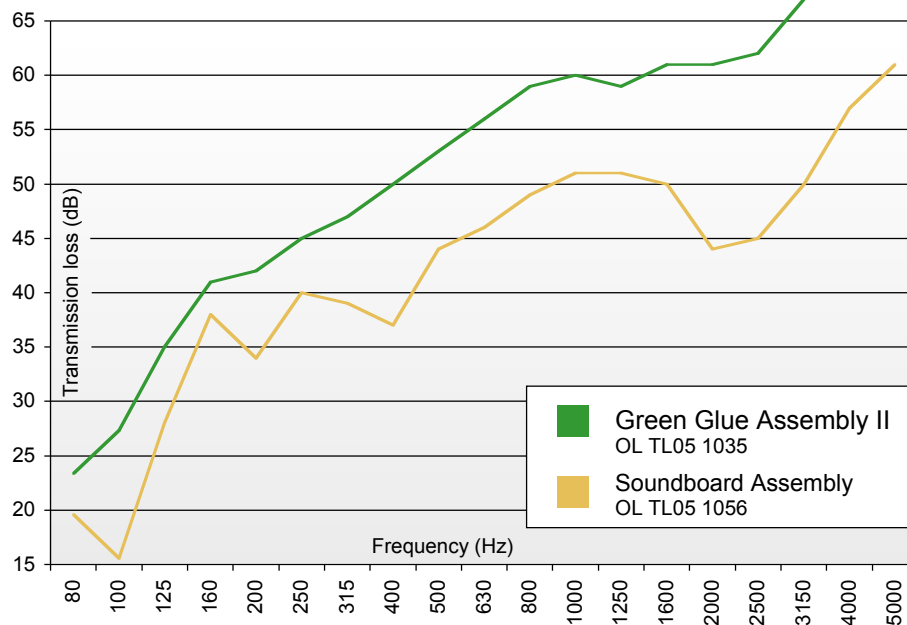


Soundboard Assembly
5/8" drywall + 1/2" soundboard
2x4 single wood studs, 24" on center
R13 fiberglass insulation
5/8" drywall, 1/2" soundboard
Screws 24" O.C. through base layer, 12" O.C. through the face layer
OL 05-1056

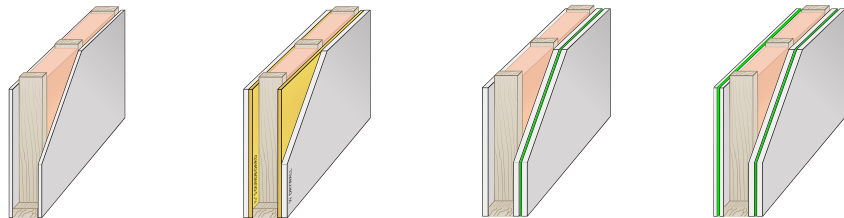


Green Glue Assembly II
5/8" drywall + Green Glue @ 58 fluid ounces per 4' x 8' sheet + 5/8" drywall
2x4 single wood studs, 24" on center
R13 fiberglass insulation
1/2" drywall + Green Glue @ 58 fluid ounces per 4' x 8' sheet + 1/2" drywall
Screws 24" O.C. through base layer, 12" O.C. through the face layer
OL 05-1035

Wall configurations, from source room to receive room:
Official lab reports are available, report numbers given in the accompanying graph.

Chart 1 - The Effect of Green Glue

Green Glue considerably outperforms Soundboard



Summary of Performance	Reference Assembly 5/8" on both sides	Soundboard Assembly	Green Glue Assembly I 1 Layer on source side	Green Glue Assembly II 1 Layer both sides
STC	40	46	52	56
OITC	29	32	36	39
Flat Noise Reduction, dBA ^a	38	42	47	51
Theater Reduction ^b	-	43	48	53

^a An assessment of wall performance that is not an official standard, but is utilized by Green Glue Company as a superior method to STC or OITC for music and theater applications where low-frequency content is high. It calculates using the ISO 226 equal loudness standard, and using a bandwidth of 31.5-5000Hz. Equal Loudness attempts to correlate to how people actually hear.

^b The A-weighted sound reduction for a noise source having flat response from 31.5 to 5000Hz. For additional information about how these ratings are calculated, and for spreadsheets that will allow you to calculate them, visit our website at www.greengluecompany.com

^c Complete analysis is found in the appendix of this document.

Summary:

Clearly Green Glue considerably outperforms older technologies like soundboard, even a wall with Green on only one side offers demonstrably superior performance.