



Specification Sheet

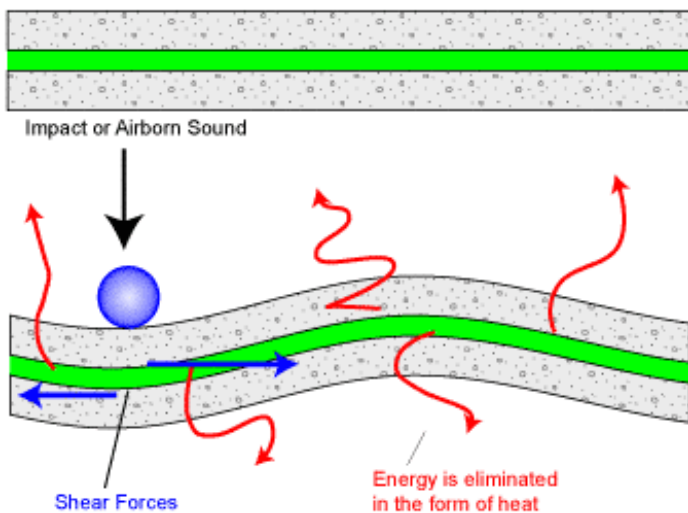
Green Glue

Noise...

It's either the bane of your existence or music to your ears. And whether you're a home owner, hotel operator or architect looking for ways to keep the noise out, or you're a home theatre enthusiast or sound engineering professional trying to keep the sound in, Green Glue is the right solution to noiseproof your life.

How Green Glue Works

Sound travels as a wave through the air. It's an airborne vibration. The waves hit a wall or ceiling and the energy becomes structure-borne. Unless the wall or ceiling material is damped, the vibration will travel through the building framing and exit somewhere else as sound again.



In a constrained layer damping system, sometimes referred to as CLD, a damping material is sandwiched between two other (usually stiff/center of the "sandwich" is sheared rigid) materials. For example, Green Glue sandwiched between two layers of drywall. Damping occurs when the viscoelastic center of the "sandwich" is sheared.

When bent, shear forces pull and stretch on the damping material. Under these conditions, the unique polymeric construction of Green Glue very efficiently converts this mechanical energy to heat. The vibration energy is not isolated, it's dissipated and gone.

Easy to Apply

Green Glue Noiseproofing Compound has an extremely low viscosity, making it easy to apply with a standard caulk gun and ensuring that when compressed it spreads out to form a proper film for sound isolation.

Extremely Effective

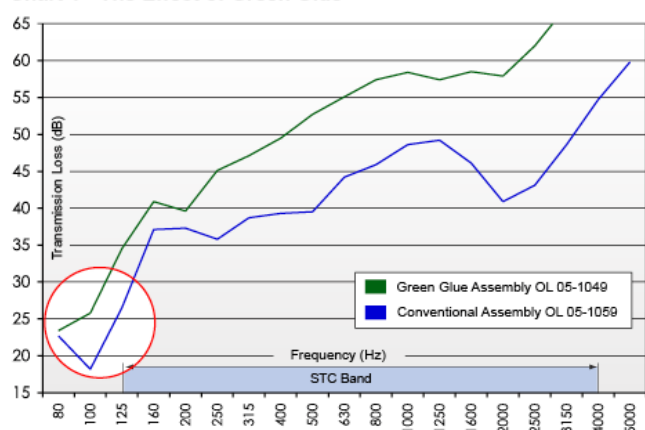
A layer of Green Glue between two sheets of any commonly used building materials effectively eliminates up to 90% of noise transfer from one room to another. Green Glue has been proven over 7 years & is highly recommended both for new construction applications, renovations & for DIY use.



High Safety Standards

Green Glue has been independently tested by Underwriters Laboratories for fire safety and environmental impact. UL Environment has validated Green Glue as mold resistant and with no formaldehyde detected. Green Glue can also help you achieve LEED Certification.

Chart 1 - The Effect of Green Glue



Low Frequencies are Green Glue's Specialty

This work outlines very clearly the considerable low frequency advantages that Green Glue can offer in many types of walls - the reduction of resonance problems due to the damping effects of Green Glue allow stud walls with low frequency performance higher than ever before. Green Glue can also turn the lowly conventional 2x4 wall into a very good wall indeed.

Particularly of interest is sound quality within a room or as least as important as sound isolation for many situations, we offer perhaps the largest formal study on the sound absorption of walls to date.

Product Description

Green Glue Noiseproofing Compound is used between two or more sheets of commonly specified building materials such as drywall, plywood, OSB and poured gypsum flooring. One of the two laminated surfaces must be porous. Typical applications are for wall, floor and ceiling systems to significantly reduce unwanted sound transmission.

Performance

- Green Glue is a sound damping material commonly used to isolate sound between rooms
- Water based, low emitting material with VOC <2 g/l
- Used with common building materials
- Easily dispensed with a standard caulking gun
- Will not contribute to mold growth
- Class A surface burning characteristics
- Does not create a vapour retarder

Limitations

- Green Glue is used as a constrained layer, not a coating.
- Use with at least one porous surface
- Green Glue is not a sealant or adhesive
- Green Glue is for interior use



Technical Data

Flame spread and smoke development - Green Glue Noiseproofing Compound has been tested according to ASTM E 84. Flame Spread = 15 Smoke Density =50

Mold Growth - Green Glue Noiseproofing Compound has been tested according to ASTM D 3273 for mold growth resulting in a rating of 10 for complete resistance.

Water Vapor Transmission - Green Glue Noiseproofing Compound has been tested in accordance with ASTM E 96 for water vapor transmission and shown to not form a vapor retarder with a typical value of 3.1 perms.

Sound Tests - Green Glue Noiseproofing Compound has been tested in accordance with ASTM E 90 for airborne noise and ASTM E 492 for impact noise.

Product Data

- Active Content 68% +/-5%
- Working Time 30 minutes
- Viscosity Light Paste 65,000 cps
- Color Green
- Odour Mild, none after drying
- VOC <2 g/l
- Flash Point >300 degrees F (149 C)
- Application Temp 40 to 90 degrees F (4 to 32 C)



- FAST - No measuring or trowelling needed
- EASY - Simple to use in floors, ceilings & walls
- VERSATILE - For use in new construction or remodels
- COST EFFECTIVE - Low cost per square meter
- PROVEN - Trusted by builders, contractors, architects & DIYers