

SOUND [ISOLATION] COMPANY

Green Glue Damping Compound INSTALLATION GUIDE AND SAFETY MANUAL



Soundproofing Made Simple®

2900 Westinghouse Blvd. Suite 106 Charlotte, NC 28373

Toll Free (888) 666-5090 ▪ Fax (704) 504-1115 ▪ www.soundisolationcompay.com

Installation Guide and Safety Manual

Green Glue Sound Isolation Compound



Green Glue is the highest performance viscoelastic material available to the building and construction markets. It yields unprecedented damping factors and is remarkably tolerant to real-world installation conditions, carrying none of the burden of installation precision of many other damping systems.

SPECIFICATIONS

Active Content.....	.68% +/-5%
Working Time.....	>30 minutes
Cure Time	7 days
Viscosity	Light Paste (65,000 cps)
Odor	Mild (Temporary)
VOC	<2g/liter
Flash Point.....	>200 deg F
Application Temp	40-90 deg F
Damping Factor:.....	Typically .50+ with 2 sheets of 5/8 fire code drywall

COVERAGE

Good: 2 tubes per 32 sqft sheet = 192 sqft per case
Great: 3 tubes per 32 sqft sheet = 128 sqft per case

ADVANTAGES

- Non toxic (to both you and the environment)
- No mixing required
- Superior performance relative to competitive products
- Faster coverage and lower material cost allow considerably reduced application cost
- Walls/floors/ceilings with superb low frequency attenuation

ACCESSORIES

Acoustical Caulk
Sealtight Putty Pads

Copyright 2007 Sound Isolation Company No part of this document may be reproduced, in whole or in part, without the specific written permission of SIC.

WALL INSTALLATION GUIDE

- Use a standard quart size caulking gun to apply Green Glue.
- Due to its thin consistency (like ketchup) you can easily dispense a tube of Green Glue in 15 seconds.
- Green Glue will not flow off the board during installation.
- Complete coverage is not necessary to obtain excellent results.
- No rolling, troweling or painting; a random pattern of Green Glue provides the best performance.

VENTILATION & CLEAN UP

There is a slight smell when Green Glue is wet. In a similar way that you can smell paint while painting a room, you will also be able to smell the Green Glue while applying. Simply ventilate the room. Keep the empty tubes in a plastic bag and remove them frequently to reduce odor.

Green Glue is easily cleaned up with soap and water. Be sure to clean as you go; it's best not to allow Green Glue to dry before clean up. Use Goof Off® if Green Glue is dry.

STEP 1 - Hanging the First Layer of Drywall

Each layer of drywall should have a 1/4" gap at the perimeter. It is very important that this gap be filled with acoustical caulk.

Use normal drywall screws to attach the board to the studs/joists following your local building codes.

Mudding is required for the first layer to insure best results, one coat is usually sufficient, taping is optional. Seams must be smooth and flat. Acoustical caulk is a substitute for the mudding, and may provide better results.

1/4" gap at perimeter of the surface should be caulked, not mudded or taped. This surface should remain smooth again to avoid bumps.

STEP 2 - Opening the Green Glue Tube

Use a utility knife to cut a 1/8" to 3/8" opening at the end of the tube's plastic tip. Use the metal plunger stick on the caulking gun to break the foil seal, allowing the Green Glue to flow into the plastic tip.

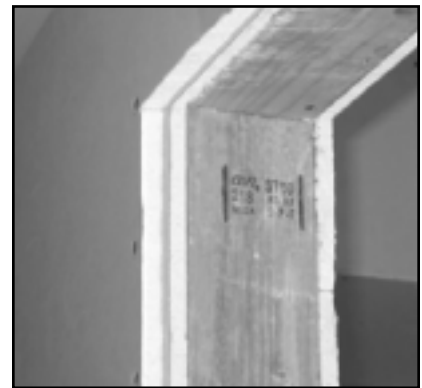


Figure 2.1: Install first layer of drywall



Figure 2.2: Use acoustical caulk along perimeter.



Figure 2.3: Cut a 3/8" opening in tube

STEP 3 - Green Glue Coverage

The ideal coverage is between 2 and 3 tubes of Green Glue per 4' x 8' sheet. Higher performance assemblies require 3 tubes of Green Glue. Please make sure to use the recommended number of tubes per sheet based on your desired results.

Good Performance: 2 tubes per 32 sqft sheet = 192 sqft per case

Great Performance: 3 tubes per 32 sqft sheet = 128 sqft per case

STEP 4 - Applying Green Glue

Place each sheet of drywall on a flat surface; apply Green Glue to the face of second layer, in a random pattern, one sheet at a time. (Fig 3.1)



Leave a 2-3" border with no Green Glue around the edge of the board. This will allow you to carry the board without getting your hands in the Green Glue. (Fig 3.2)

Raise the board into place. Press the board against the wall, ceiling or floor, while making sure to stagger your seams between the two layers. (Fig 3.3)

Screw the board into the studs/joists following local building codes. Make sure to leave a 1/4" gap at the perimeter of the wall/floor or ceiling to be filled with Acoustical Caulk. After the Green Glue is sandwiched between both layers, it will flatten out to .5mm. Allow two weeks for the Green Glue to dry before testing performance. The longer Green Glue is allowed to dry the better it will perform.

Note: Do not allow the Green Glue to dry before installing. Screw the board into place within 15 minutes to guarantee the Green Glue has not had time to start drying.

STEP 5 - Finish Wall

Fill 1/4" perimeter gap with acoustical caulk. Tape and mud drywall seams to typical finish level.

WARRANTY: Because of the many installation variables beyond our control, we shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claims shall be deemed waived unless made in writing to us within thirty (30) days from the date it was or reasonably should have been discovered.

RETURNS: We do not accept individual tubes to be returned. Full cases may be returned in the original packaging, at purchasers expense. A 15% restocking fee will apply to all returned items. Returns must be made within 60 days of customer's receipt of original shipment. Returns after 60 days are not allowed.

Disclaimer: These application notes represent the accepted procedures for successful installation of Green Glue. These suggestions may be followed, modified, or rejected by the owner, engineer, contractor, and/or their respective representative(s) since they, not Sound Isolation Company, are responsible for planning and executing procedures appropriate to a specific application. Sound Isolation Company reserves the right to alter these suggestions and encourages contact with the factory or its representatives to review any possible modification to these application notes prior to commencing installation. It is the responsibility of the owner, engineer, contractor, and/or their respective representative(s) to ensure that installation meets all applicable Building Codes. There is no performance warranty expressed or implied for any particular project or installation.



Figure 3.1: Apply Green Glue to the backside of second layer of drywall

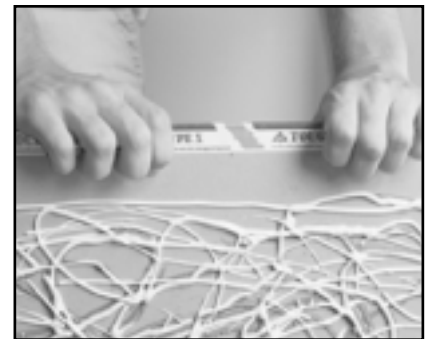


Figure 3.2: Leave a 2-3" border around the edge of drywall



Figure 3.3: Apply second layer of drywall



Figure 3.4: Secure second layer into place