

QuietGlue® Pro

Application & Installation Instructions

QuietGlue® Pro is a viscoelastic glue that creates a constrained damping layer between two rigid materials. It is used to adhere the two materials together thereby creating a high performance noise reducing partition in new and existing construction (walls, ceilings, floors). Since QuietGlue® Pro is a water-based polymer, one of the rigid layers must be porous (such as wood, gypsum, backer board or concrete) to allow the product to dry properly. QuietGlue® Pro can improve STC ratings by 10-14 points and improve low frequency sound transmission loss by 10dB over standard assemblies.

QuietGlue® Pro is ideal for “do it yourself” projects or where the use of QuietRock® or QuietWood is limited, such as curved walls or height restrictions on the floor. QuietGlue® Pro is easy to install. There are numerous ways to make effective sound barriers using QuietGlue® Pro. Below are some typical applications and instructions.

QuietGlue® Pro is not a structural adhesive. Use normal care and precaution when working with PABCO® Gypsum products.

Notes

- QuietGlue Pro begins to dry within 5 minutes after application to any surface. However, it requires a full 15 days to completely dry, after which the full sound damping capability of your new wall or ceiling will be achieved.
- Cure time is 24-48 hours. Working time is 15 minutes.
- Cleanup with soap and water.
- Follow all OSHA guidelines when completing any construction project.
- QuietGlue Pro contains no hazardous materials. Dispose of excess QuietGlue Pro in the same responsible manner as you would any building material.



Using QuietGlue® Pro with Gypsum in New Construction

- 1) Construct the framing as normal.
- 2) Before installing the first sheet of drywall, cut drywall to fit around electrical and other openings. For best results utilize QuietPutty® around all electrical boxes.
- 3) Install the first sheet of drywall as normal.
- 4) Before installing the next sheet apply QuietSeal® Pro® Pro around panel perimeter and around any electrical boxes.
- 5) Then install the adjacent sheet of drywall being sure to remove excess QuietSeal® Pro® Pro with a rag or putty knife as needed.
- 6) Repeat steps 2 through 4 until wall or ceiling is completely covered.
- 7) Prepare to apply the second layer of drywall. Cut the drywall to fit around any electrical boxes or openings as needed. If possible stagger drywall seams to improve noise reducing characteristics.
- 8) Make sure the sheetrock surfaces are clean and free of loose fibers like sawdust.
- 9) Glue application

Tubes: Cut a 1/4" – 3/8" hole in the top. Apply QuietGlue® Pro evenly, but in a random manner on the drywall panel (use 2 tubes per 4' x 8' panel) as shown in the picture below. Leave a 1"–2" edge around the drywall panel for easier handling.

Buckets: For small scale application use a trowel or a tool with flat edge; evenly coat the entire top of the first panel. QuietGlue® Pro covers 73 square feet per gallon and should have a final coating thickness of about 1/16". Leave a 1"–2" edge around the drywall panel for easier handling.

A professional application system, such as a Graco pump and nozzle, is recommended for use with large scale construction. QuietGlue® Pro covers 73 square feet per gallon and should have a final coating thickness of about 1/16". Leave a 1"–2" edge around the drywall panel for easier handling.

- 10) Next, place the coated sheet over the already installed drywall and screw to framing members. Screws should be inserted every 8-12 inches around the edge, as well as through the center studs or joists.. QuietGlue® Pro will thus be sandwiched between 2 layers of drywall. QuietGlue® Pro begins to dry within 5 minutes after application to any surface and has a working time of 1-2 hours. Since QuietGlue® Pro is not a structural adhesive, the drywall must be screwed appropriately to the framing members.
- 11) Before putting up the next sheet apply QuietSeal® Pro® Pro around wall perimeter at any un-backed horizontal seams and around any electrical boxes or other penetrations.
- 12) Then install the adjacent sheet of drywall being sure to remove excess QuietSeal® Pro with a rag or putty knife as needed. Please note: QuietSeal® Pro will remain viscoelastic, i.e. not dry, so it is necessary to tape and texture over these joints. Please see QuietSeal® Pro instructions for more detailed information.
- 13) Repeat steps 7 through 12 until wall or ceiling is completely covered.
- 14) After the drywall is in place, apply dry-wall mesh tape along the joints between the two pieces of drywall. The mesh tape helps hold drywall compound in the gap.
- 15) Use a wide drywall knife to spread joint compound over the mesh tape. Don't try to fill the entire gap all at once; apply a little at a time, and allow it to dry before applying a second coat.
- 16) Cover the screw heads with drywall compound.
- 17) Allow the joint compound to dry, then sand it smooth. Wear breathing protection during this step because the process generates a lot of dust.
- 18) Apply a second coat of drywall compound, allow it to dry, and sand it smooth. Repeat the process as necessary until the wall is perfectly smooth, then finish the walls as desired.
- 19) Wait 24-48 hours before painting the wall depending upon room conditions.

Using QuietGlue® Pro with Plywood, OSB, etc. in New Construction

- 1) Construct the framing as normal. For best results utilize QuietPutty® around all electrical boxes.
- 2) Install the first sheet of plywood, OSB, etc. as normal.
- 3) Before installing the next sheet apply QuietSeal® Pro at any un-backed seams and around any electrical boxes.
- 4) Next, install the adjacent sheet of plywood, OSB, etc. being sure to remove excess QuietSeal® Pro with a rag or putty knife as needed.
- 5) Repeat steps 2 through 4 until wall or floor is completely covered.
- 6) Prepare to apply the second layer of plywood, OSB, etc.. Cut the new sheet to fit around any electrical boxes or openings as needed. If possible stagger plywood, OSB, to improve sound reducing characteristics.
- 7) Make sure the plywood, OSB, etc. surfaces are clean and free of loose particles like sawdust.
- 8) Glue application

Tubes: Cut a 1/4" – 3/8" hole in the top. Apply QuietGlue® Pro evenly, but in a random manner on the drywall panel (use 2 tubes per 4' x 8' panel). Leave a 1"–2" edge around the drywall panel for easier handling.

Buckets: A bulk caulking gun is recommended for use with 1 and 5 gallon buckets. A professional application system, such as a Graco pump and nozzle, is recommended for use with large scale construction. Never use a trowel as it will reduce performance. QuietGlue® Pro covers 73 square feet per gallon. Leave a 1"–2" edge around the panel for easier handling. QuietGlue Pro should evenly cover 10% - 20% of the entire surface area of panel with an approximate thickness of 3/8".

- 9) Next, place the coated sheet over the already installed panels and screw to framing members. Screws should be inserted every 8-12 inches around the edge, as well as through the studs or joists. QuietGlue® Pro will thus be sandwiched between 2 layers of wood. QuietGlue® Pro begins to dry within 5 minutes after application to any surface and has a working time of 1-2 hours. Since QuietGlue® Pro is not a structural adhesive, the sheet must be screwed appropriately to the framing members.
- 10) Before putting up the next sheet apply QuietSeal® Pro around wall or floor perimeter and around any electrical boxes. Please note: QuietSeal® Pro will remain viscoelastic, i.e. does not dry, so it is necessary to finish over these joints so that they are not left exposed. Please see QuietSeal® Pro instructions for more detailed information.
- 11) Then install the adjacent sheet of plywood, OSB, etc. being sure to remove excess QuietSeal® Pro with a rag or putty knife as needed.
- 12) Repeat steps 6 through 11 until floor or wall is completely covered.
- 13) Finish the floor, wall or ceiling as desired.
- 14) Wait 24-48 hours before painting, sealing, or applying any other liquid components.

Using QuietGlue® Pro in Existing Wall or Ceiling Construction

- 1) Remove any existing molding/trim, wainscoting, wallpaper from walls or “cottage cheese” from ceilings. Assure that surface is smooth, clean and free of obstructions, such as nails or tacks or loose particles.
- 2) Locate existing framing members using a stud finder or from existing architectural drawings.
- 3) Apply QuietSeal® Pro at any exposed seams and around any electrical boxes or other wall penetrations.
- 4) Prepare to apply a second layer of drywall. Cut the drywall to fit around any electrical boxes or openings as needed. If possible, stagger drywall to improve noise reducing characteristics.
- 5) Glue application

Tubes: Cut a 1/4" – 3/8" hole in the top. Apply QuietGlue® Pro evenly, but in a random manner on the drywall panel (use 2 tubes per 4' x 8' panel). Leave a 1"–2" edge around the drywall panel for easier handling.

Buckets: A bulk caulking gun is recommended for use with 1 and 5 gallon buckets. A professional application system, such as a Graco pump and nozzle, is recommended for use with large scale construction. Never use a trowel as it will reduce performance. QuietGlue® Pro covers 73 square feet per gallon. Leave a 1"–2" edge around the panel for easier handling. QuietGlue Pro should evenly cover 10% - 20% of the entire surface area of panel with an approximate thickness of 3/8".

A professional application system, such as a Graco pump and nozzle, is recommended for use with large scale construction. QuietGlue® Pro covers 73 square feet per gallon and should have a final coating thickness of about 1/16". Leave a 1"–2" edge around the drywall panel for easier handling.

- 6) Next, place the coated sheet over the already installed drywall and screw to framing members. Screws should be inserted every 8-12 inches around the edge, as well as through the center studs or joists. QuietGlue® Pro will thus be sandwiched between 2 layers of drywall. QuietGlue® Pro begins to dry within 5 minutes after application to any surface and has a working time of 1-2 hours. Since QuietGlue® Pro is not a structural adhesive, the drywall must be screwed appropriately to the framing members.
- 7) Before putting up the next sheet apply QuietSeal® Pro around wall perimeter at any un-backed seams and around any electrical boxes or other penetrations.
- 8) Then install the adjacent sheet of drywall being sure to remove excess QuietSeal® Pro with a rag or putty knife as needed. Please note: QuietSeal® Pro will remain viscoelastic, i.e. not dry, so it is necessary to tape and texture over these joints. Please see QuietSeal® Pro instructions for more detailed information.
- 9) Repeat steps 4 through 8 until wall or ceiling is completely covered.
- 10) After the drywall is in place, apply dry-wall mesh tape along the joints between the two pieces of drywall. The mesh tape helps hold drywall compound in the gap.
- 11) Use a wide drywall knife to spread joint compound over the mesh tape. Don't try to fill the entire gap all at once; apply a little at a time, and allow it to dry before applying a second coat.
- 12) Cover the screw heads with drywall compound.
- 13) Allow the joint compound to dry, then sand it smooth. Wear breathing protection during this step because the process generates a lot of dust.
- 14) Apply a second coat of drywall compound, allow it to dry, and sand it smooth. Repeat the process as necessary until the wall is perfectly smooth, then finish the walls as desired.
- 15) Wait 24-48 hours before painting the wall depending upon room conditions.

Using QuietGlue® Pro in Existing Floor Construction

- 1) Remove any existing molding/trim and any finished floor (carpets, linoleum, tile, hardwood, etc.) to expose existing subfloor. Assure that surface is smooth, clean and free of obstructions, such as nail heads or loose particles.
- 2) Locate existing framing members using a stud finder or from existing architectural drawings.
- 3) Apply QuietSeal® Pro at any exposed seams and around any electrical boxes or other wall penetrations.
- 4) Prepare to apply a second layer of plywood, OSB, etc. Cut the new sheet to fit around any electrical boxes or openings as needed. If possible, stagger plywood, OSB, to help improve noise reducing characteristics.
- 5) Glue application:

Tubes: Cut a 1/4" – 3/8" hole in the top. Apply QuietGlue® Pro evenly, but in a random manner on the drywall panel (use 2 tubes per 4' x 8' panel). Leave a 1"–2" edge around the drywall panel for easier handling.

Buckets: A bulk caulking gun is recommended for use with 1 and 5 gallon buckets. Never use a trowel as it will reduce performance. QuietGlue® Pro covers 73 square feet per gallon. Leave a 1"–2" edge around the panel for easier handling. QuietGlue Pro should evenly cover 10% - 20% of the entire surface area of panel with an approximate thickness of 3/8".

- 6) Next, place the coated sheet over the already installed drywall and screw to framing members. Screws should be inserted every 8-12 inches around the edge, as well as through the joists. QuietGlue® Pro will thus be sandwiched between 2 layers of wood. QuietGlue® Pro begins to dry within 5 minutes after application to any surface and has a working time of 1-2 hours. Since QuietGlue® Pro is not a structural adhesive, the drywall must be screwed appropriately to the framing members.
- 7) Before putting down the next sheet apply QuietSeal® Pro around floor perimeter at any unbacked seams and around any electrical boxes. Please note: QuietSeal® Pro will remain viscoelastic, i.e. does not dry, so it is necessary to finish over these joints so that they are not left exposed. Please see QuietSeal® Pro instructions for more detailed information.
- 8) Then install the adjacent sheet of plywood, OSB, etc. being sure to remove excess QuietSeal® Pro with a rag or putty knife as needed.
- 9) Repeat steps 4 through 8 until floor is completely covered.
- 10) Finish the floor as desired.
- 11) Wait 24-48 hours before applying any grout, sealing or liquid based components.