



ACOUSTICAL SYSTEMS - LLC

## WAVEFORM® G INSTALLATION INSTRUCTIONS

Waveform® G is a glass fiber reinforced gypsum composite product made with alpha gypsum cement and glass fiber reinforcement. It is used in a broad range of architectural acoustic applications. This material has been fire tested to the ASTM E84 Standard and has a Flame Spread Index = 0; Smoke Development Index = 0. These installation instructions are general in nature. Refer to the shop drawings for specific details.

### STORAGE & HANDLING:

Delivery time should be scheduled to minimize the storage time of products at the job site. Products shall be: kept clean; stored indoors on a dry surface; not exposed to high humidity; not stacked or leaned on each other to prevent warpage or other physical damage. Use gloves when handling unpacked items.

### ITEMS FOR INSTALLATION:

Screw gun; Drill and assorted bits; Level; Saw(s) - see Cutting Instructions below; Disposable dust masks (e.g. 3M Cupped respirators #8710) or a Respirator; Screws, Shims, Misc. mounting hardware (depending on the parts to be installed); Gloves; Sandpaper #80,120,220 grit; Painter's tape; Flexible scraper; Clean rags; Adhesive; Gypsum joint compound; Caulk for joints (supplied by others, if required).

### CUTTING INSTRUCTIONS:

Cutting dust represents a nuisance dust when exposed to low concentrations from occasional cutting and grinding operations associated with the installation of Waveform® G parts and may contain trace amounts of respirable silica. Take precautions to minimize dust production such as using dust collection attachments on saws etc . Wherever possible cut/grind/sand outdoors or in a well ventilated area. Always wear goggles, a respirator (or dust mask), and protective clothing to minimize any irritation from the dust.

Use the most applicable method listed below for the type of cut required:

- . A miter or table saw with a Diamond or Tungston Grit blade (80+ tooth carbide blades work well but dull more quickly).
- . A hand held disc grinder with a 4" (100mm) diameter Diamond blade for small cuts or cut-outs.
- . A reciprocating saw with tungston grit blade - use primarily for curved cuts or cut-outs.

#### Method:

Dry Cut only. Perform a test cut(s) first to validate the saw and blades effectiveness. Keep cutting surfaces clean to prevent parts from being marked.



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**GENERAL NOTES:**

- 1) The substrates to accept Waveform® products shall be surfaced with suitable materials to suit the parts to be installed. Substrate surfaces shall be installed level, straight and true within 1/8" in 8 linear ft. (3mm in 2500mm).
- 2) The substrate and/or framing shall be free of obstructions and interference that prevents the correct positioning and attachment of the Waveform®. Structural framing and substrate materials shall be of the proper size and design for the intended use and sufficient to properly support the installed product.
- 3) Refer to RPG's submittal drawings or product mounting details for specific details to install the product.
- 4) Part thicknesses may vary. Allow for shim spaces between the product and the substrate.
- 5) Attach the GRG parts using screws or other fasteners as shown on the shop drawings. Additional bracing, or fastening points etc. not shown on the shop drawings, may be required to ensure a proper installation. Countersink screws below the surface.
- 6) Large size product shall be carefully lifted into place using suitable lifting devices and installed securely.
- 7) Where products are suspended, use all the suspension points indicated on the shop drawings as a minimum requirement, and use any additional support(s) as the site conditions may require.
- 8) Under certain lighting conditions (e.g. atriums, vaults, near light reflectors), fasteners, reinforcement, joint tape "read-through" may occur. A field applied skim coat may therefore be required.
- 9) Care should be exercised in selecting primers and sealers for use on product to make sure they will perform satisfactorily. The use of Glossy paint is not recommended for Waveform® products..