

INVISACOUSTICS™ Direct-Apply

Assembly and Installation Instructions

Item #	Description	Size	Sold by the	SF per Carton
Ceiling Panel Items				
1212WH, 1212BL, 1212FP	InvisAcoustics™ panels	24 x 48 x 3/4"	CTN	48
Accessories and Tools – Provided by others				
Item	Item Details			
Recommended Adhesive	Titebond® GREENchoice Acoustical Ceiling Tile Adhesive			
Trowel	Notched – 1/4 x 1/2 x 1/4"			
Gloves	Clean White			
Sponge Float				

1. GENERAL

1.1 Product Description

These instructions cover the installation of Armstrong® Ceilings InvisAcoustics™ Direct-Apply acoustical panels directly applied with adhesive to painted gypsum, concrete, or plaster surfaces.

1.2 Safety

During the installation be certain that the work site is well ventilated, and avoid breathing dust. If high dust levels are anticipated during installation such as with the use of power tools, use appropriate NIOSH designated dust respirator. All power cutting tools must be equipped with dust collectors. Avoid contact with skin or eyes. Wear long-sleeved, loose-fitting clothes, gloves, and eye protection.

1.3 Warranty

Failure to follow the Armstrong Ceilings recommended installation instructions in effect at the time of installation will void any product and/or ceiling system warranty.

1.4 Surface Finish

Panels feature an acoustically transparent membrane with white or black factory-applied latex paint.

1.5 Storage & Handling

The ceiling panels shall be stored in a dry interior location and shall remain in cartons prior to installation to avoid damage. The cartons shall be stored in a flat position. Proper care should be taken when handling to avoid damage or soiling.

1.6 Site Conditions

Ensure site condition relative humidity is less than 70%. Building areas to receive ceilings shall be free of construction dust and debris.

The area of installation, adhesive, and panels should be conditioned at 65°F or above for 48 hours prior, during, and 48 hours after the installation is complete.

InvisAcoustics panels attached to the deck with adhesives must be installed where the building is enclosed and the HVAC system is functioning and in continuous operations for the life of the product. All wet work (plastering, concrete, etc.) must be complete and dry.

These products are not recommended for exterior applications where standing water is present, or where moisture will come into direct contact with the ceiling.

1.7 Cleaning/Maintenance

Use a clean, dry, soft, white cloth to wipe off any dirt or greasy fingerprints. If this does not clean the panel, use a damp, clean, soft, white cloth or sponge with a mild detergent to wipe the panel. Remove any remaining moisture with a dry cloth.

2. DESIGN AND INSTALLATION CONSIDERATIONS

2.1 Area Preparation:

Surfaces must be dry and free of dust, grease, oil, dirt or any other material that may deter adhesion. If the paint is flaking or peeling it must be removed. Existing finish paint must be well-bonded and not flaking or peeling.

2.2 Painted Surfaces:

Avoid applying to a newly painted ceiling. Glossy painted surfaces must be abraded. For painted or sealed surfaces, install a small test area and observe after 12 hours. For plaster ceilings, plaster must be painted, non-chipping, and smooth.

2.3 Surface Flatness:

To ensure a finished installation that is level, it is recommended that the ceiling surface for attachment be free of irregularities and be level within 1/4" in 12'.

3. DRYWALL/CONCRETE/PLASTER INSTALLATIONS

3.1 For drywall, concrete, and plaster installations with InvisAcoustics™ panels, reference the follow sections.

The Titebond® GREENchoice Acoustical Ceiling Tile Adhesive provides a secure bond and does not require any supplemental mechanical attachment as long as these instructions are followed.

3.2 The Trowel Line Method (ceilings level within 1/4" in 12')

Panels should have at least a 1/4"-3/8" reveal between edges. This will help alleviate slight differences in the levelness of adjacent panel faces. See Section 4.7 for more details on panel spacing.

3.3 Your glue lines should be 20" long and 4" wide.

NOTE: The max distance between glue centerlines on any panel is 24". For panels whose edges may overhang, maximum allowable overhang is 7" from the centerline of your glue to the edge of the panel.

3.4 Utilizing the trowel, ensure that the adhesive is uniformly spread to cover your specified area.

3.5 Once in position, push the panel against the ceiling applying even hand pressure to the board where the adhesive is located in the center first, followed immediately by the edges of the panel. By attaching the center first, you can still pivot the panel slightly left or right before adhering the edges. This ensures

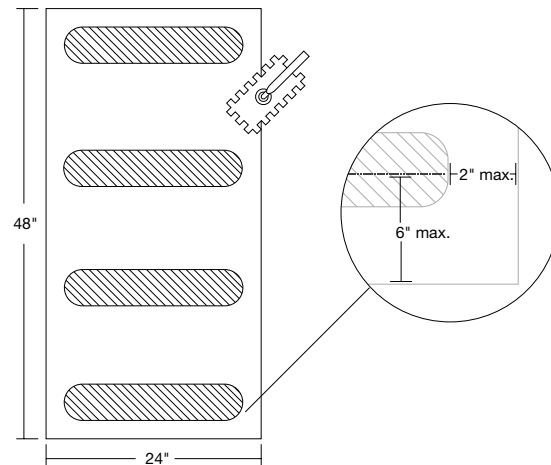
that the panel can be aligned correctly first before the edges are solidified into place. Avoid excessive pressure to minimize panel flexing that will disturb the previously pressed areas of adhesive and result in release of the adhesive.

3.6 Any slight adjustments to the panel placement should be done immediately to not weaken the adhesive bond once it has started to set. Once the panel is evenly pressed into position, the adhesive should provide an immediate bond to hold the panel in place while the adhesive sets.

3.7 Press a sponge float across all areas of the panel where glue was applied to ensure all glue spots and lines are properly compressed and adhere to the deck. Lastly, measure adjacent panel edges to check levelness as panels are installed; the levelness of the finish face of adjacent panels should be within 1/8" to ensure a satisfactory visual.

3.8 For wall installations, follow steps 3.1 – 3.6 and apply the same methods in the vertical. The bottom edge of the panel should be at least 6' from the floor to avoid damage.

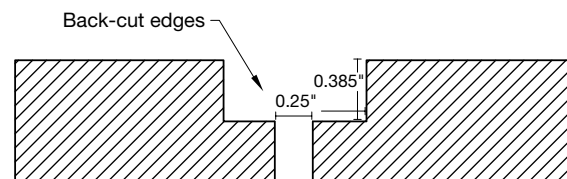
NOTE: Panel creep may occur as the glue is setting. Panels should creep no more than 1/8" during installations.



InvisAcoustics Direct-Apply panels have the following requirements:

- Glue line end to panel edge: 2" max.
- Glue center line to panel edge: 6" max.
- Distance between center line of the glue rows: 18" max.

3.8.1 Factory painted panels (items 1212WH/BL) have square edges on the 4' sides but have back-cut edges along the 2' sides.



MORE INFORMATION

For more information, or for an Armstrong Ceilings representative, call 1 877 276 7876.

For complete technical information, detail drawings, CAD design assistance, installation information, and many other technical services, call TechLine customer support at 1 877 276 7876 or FAX 1 800 572 TECH.

For the latest product selection and specification data, visit armstrongceilings.com/directapply

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