Memtech Acoustics

acouSTIC™ Polyurethane-Based Foam Adhesive (PA-04)

Product Information and Installation Guide



acouSTIC™ PA-04 is a polyurethane-based adhesive used for adhesion of melamine foam products to metal surfaces, corrugated metal decking and other non-porous surfaces, or for use in cold conditions where PA-02 is not appropriate.

Technical Details

PA-04 is mold and mildew resistant, has zero volatile organic compounds (VOCs), and contributes to LEED EQ Credit 4.1. Shelf life is two years in unopened containers. To ensure the integrity of the adhesive, the work area temperature must be -40°F – 250°F (-40°C – 121°C).* Although the bond will be immediate, please allow 24 – 72 hours for full cure, depending on the environmental conditions.

Preparation

Make certain that smooth, continuous substrate surfaces to which panels will be applied are clean and level. Dust, dirt, residues, contaminants and extreme low or high temperatures can inhibit a strong bond to the substrate or foam.

Installation

On gypsum, flat metal or similar non-porous surfaces:

- Cut adhesive tube tips to produce a bead flow of 3/8" (9.5 mm) diameter.
- Run a continuous bead of adhesive around the panel's perimeter, approximately 1-1/2" (38 mm) from edges; then apply intermittent beads from opposite corners through the center of the panel creating an X pattern. (Fig. 1)
- Typical installation requires 0.75 – 1 ounce (22 – 30 ml) of adhesive per 1 square foot (0.09 square meters) of material being adhered.
- 24" x 24" (610 x 610 mm) panels will require 0.33 – 0.5 tubes.
- 24" x 48" (610 x 1219 mm) panels will require 0.5 to 0.66 tubes.
- 48" x 48" (1219 x 1219 mm) panels will require 1 – 1.5 tubes.
- 48" x 96" (1219 x 2438 mm) panels will require 2.5 – 3 tubes.
- Press panels firmly into place. Be sure to apply pressure where the adhesive is located to spread the bead as much as possible.
- Pull the panel away from the surface and allow 30 seconds of open time for the adhesive to develop additional tack.
- Replace the panel into position, applying firm, even pressure to the entire panel. At this time, adhesive tack should be immediate.

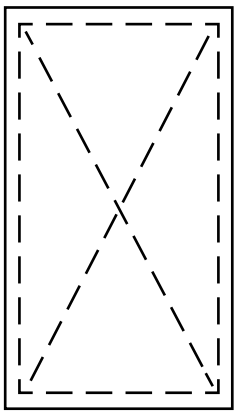
On corrugated metal decks or similar non-porous surfaces:

- Cut adhesive tube tips to produce bead flow of 3/8" (9.5 mm) diameter.
- Apply beads of adhesive to the ribs of the corrugated deck, NOT the panel backs.
- Typical installation requires 1 ounce (30 ml) of adhesive per 1 square foot (0.09 square meters) of material being adhered.
- 24" x 24" (610 x 610 mm) panels will require 1.5 tubes.
- 24" x 48" (610 x 1219 mm) panels will require 0.75 tubes.
- 48" x 48" (1219 x 1219 mm) panels will require 1.5 tubes.
- 48" x 96" (1219 x 2438 mm) will require 3 tubes.
- Press panels firmly into place. Be sure to apply pressure where the adhesive is located to the bead as much as possible.
- Pull the panel away from the surface and allow 30 seconds of open time for the adhesive to develop additional tack.
- Replace the panel into position, applying firm, even pressure to the entire panel. At this time, adhesive tack should be immediate.

Limited Warranty

Many jobsite factors beyond pinta acoustic's control can affect the use and performance of its acouSTIC adhesive products. The user is solely responsible for determining which adhesive and application method is best suited for any specific direct-apply, glue-up panel project. pinta warrants that its acouSTIC adhesive products meet their applicable product specifications at the time of sale. pinta acoustic makes no other warranties or guarantees, expressed or implied. If an installation should become problematic, pinta acoustic's sole and exclusive remedy is, at pinta acoustic's option, replacement or refund of the adhesive's purchase price. pinta acoustic recommends a pre-construction mock-up to ensure that any adhesive selected actually produces an immediate tack and strong bond between panels and substrates before complete installation proceeds. Please consult Memtech Acoustics with any questions prior to the start of your specific project.

Fig. 1



*acouSTIC PA-04 high-strength polyurethane adhesive is a moisture curing product. Therefore, during cold and dryer weather conditions, the installer may consider applying a light spray (spritz) of water to assist in accelerating the cure of the glue.

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