



Installation Guide

Installing AstroBoard in Pre-Engineered Metal Buildings

STEP 1: Be sure that all surfaces are clean of debris and dust as proper adherence is integral to the efficiency of the IE AstroBoard Insulation System.

STEP 2: Begin adhering the F-Trim (RPT-F-120) to the vertical face of the purlin, adhering a 1/16" bead of Bull Seal (1-41-12-001) to the large back flange of the F-Trim. Attach to purlin at height that gives least resistance of any existing obstructions in the cavity, i.e. angel iron, junction boxes, screws, conduit, etc. Butt each piece of F-Trim to each adjacent piece to keep it as seamless as possible and to ensure a proper seal. (F-Trim can also be attached with metal screws.)

STEP 3: Once all F-Trim is adhered to the full perimeter of each purlin or girt cavity let set for a minimum of 4 hours, but **recommend a 24 hour curing period** before installing board and H-Trim (RPT-H-122).

STEP 4: After allowing proper curing time for the F-Trim, begin the installation of the Panels (RPB-24-060) and H-Trim. Take measurements from sided to side in current purlin cavity. In cavities of greater distance than 36" add 1/4" to the length of both the Panels and H-Trim. (ex. Cavity is 50" wide, cut Panels and H-Trim to 50-1/4"). For the gable ends, cut Panel and H-Trim to exact length i.e. cavity is 50" Panel and H-Trim should both be cut to 50".

STEP 5: Before inserting a Panel and H-Trim into the channel of the F-Trim, apply a 1/16" bead of Bull Seal into the channel of the F-Trim. This will chemically bond the Panel and H-Trim to the F-Trim.

STEP 6: When inserting Panels, except for gable end pieces, introduce an arching effect to the Panel. The arch needs to be deflected upward towards the exterior of the building. Creating the arch will give the system more structural integrity and improves the aesthetics of the finished installation.

STEP 7: Insert first gable end piece into all 3 pieces of F-Trim for a 'snug' fit.

STEP 8: Begin inserting and connecting adjacent boards until the final gable end piece.

STEP 9: Use the End Panel H-Trim (RPT-HE-122) to install the final gable end. When inserting the last piece of board, allow at least 1/8" but no more than 1/4" of space between the gable board and adjacent board. This allows sliding the End Panel H-Trim into place. Once the End Panel H-Trim is in place; place a 1/16" bead of Bull Seal to the End Panel H-Trim to adhere it to the final gable board.

SPECIAL CONSIDERATIONS: Areas where F-Trim is to be adhered must be free from dirt, dust, oil, or grease.

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the USA



IMPORTANT WARNING
NEVER INSTALL OVER OR NEAR DEFECTIVE
OR EXPOSED ELECTRICAL WIRING.





Installation Guide

Installing AstroBoard in Post Frame Buildings

Installing the IE AstroBoard system in buildings with wood trusses and purlins can be accomplished by following the same steps for pre-engineering building instructions. Additionally it can be installed by affixing the Panel to the underside of the purlins with 3/4" crown staples, cap nails or screws with washers. H-Trim should be used to connect Panels. Seams should be covered with white tape to provide for a finished appearance.

NOTES: Existing pre-engineered metal building typically have utilities hanging from the ceiling or attached to the walls. The IE AstroBoard system makes it possible to leave most if not all of the existing items in place, reducing the down time of the facility and equipment. The system can be customized to fit most any situation regardless of obstructions in place. The IE AstroBoard system is an excellent option for post frame construction as well as pre-engineered metal buildings.

AstroBoard is an excellent choice to cover pre-existing insulation to add thermal value to the building, cover degrading material or to enhance the appearance.

CAUTION: AstroBoard is intended to use in completely enclosed buildings and should never be used in open wall structures. If doors will be left open for prolonged times, special consideration should be given to the mounting of the Panels. Wind currents could cause the Panels to

flex and loosen from the mounting and fall away.

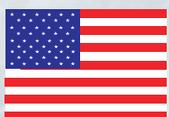
HELPFUL TIPS: Call for specific onsite questions. Make sure the system's perimeter is properly sealed. Improper sealing can result in moisture build up and inefficient insulating values of the system.

IE reserves the right to change components of the system at any point in time.

Contact Innovative Energy Inc. for a list of the most up-to-date components.

Patent Pending.

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