PAC-Shield CI Wood Composite

Installation Guide

For PAC-Shield CI Nail Base,
CI Ply and CI Ply (Class A)

COORDINATION

▸ Review submittals, surface preparation, installation procedures, special details, sequence of construction, responsibilities, mock-up requirements, inspection, testing, and repair procedures.

▸ Mock-up shall establish procedures and workmanship that must be followed during installation.

▸ Review adjacent construction materials such as windows, doors, ducts, and other penetrations for conformance to manufacturer's application instructions.

▸ Sequence installation of flashing and sealant to prevent damage and water infiltration.

▸ Refer to project-specific documentation for components manufactured by others..

SUBSTRATE/PROJECT/SITE CONDITIONS

▸ Do not apply PAC-Shield CI panels and associated materials to damp or frozen surfaces.

▸ Protrusions and mortar droppings shall be removed from surfaces to facilitate fit and finish of PAC-Shield CI panels.

▸ Protect panels during transportation, storage, and installation in accordance with Job-Site Storage guidelines and Post-Installation Exposure guidelines on product literature.

GENERAL APPLICATION NOTES

▸ PAC-Shield CI panels shall be installed continuously and secured appropriately to deliver their maximum impact on building energy efficiency.

▸ Begin at base of wall from firm support (permanent or temporary).

▸ Apply PAC-Shield CI panels horizontally or vertically in a running bond pattern. Offset PAC-Shield CI polyiso vertical joints a minimum of 6".

▸ Pre-cut Hunter Xci panels to fit openings and projections. PAC-Shield CI wood composite panels can be cut with a power saw.

▸ Abut all PAC-Shield CI panel joints tightly and ensure an overall flush, level surface.

▸ PAC-Shield CI wood composite panels must be mechanically attached. Please see fastening section in this document.

▸ Fill gaps between panels greater than 1/8" with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied to the insulation board edges during installation.

▸ Honor expansion joints as indicated in construction drawings. Do not span expansion joints.

▸ Install all materials in accordance with current published literature and local code requirements.

▸ Other acceptable methods of application not covered here may be incorporated during construction provided all applications follow proven and sound construction techniques.

WRB (WEATHER RESISTIVE BARRIERS)

▸ **A vapor permeable barrier is recommended for the exterior of PAC-Shield CI wood composite panels. A range of 10 – 60 perms is ideal. Please note:** if NFPA 285 compliance is required the barrier will need to be selected from one of our approved options.

▸ It is highly recommended that the installation of the vapor barrier happens in conjunction with the installation of PAC-Shield CI wood composite panels.

▸ If a weather barrier cannot be applied to the PAC-Shield CI wood composite panels right away it is advisable to butter the edges of the boards with an approved sealant to help prevent moisture intrusion before the barrier is applied.

APPROVED SEALANTS AND SPRAY FOAMS

▸ BarriBond XL

▸ BarriBond

▸ BarriBond HP

▸ Dynatrol I-XL Hybrid

▸ HandiFoam

▸ Tiger Foam Fire Block

▸ Great Stuff

▸ Others as approved by PAC-CLAD

FASTENING PAC-SHIELD CI COMPOSITE PANELS

Nailbase Continuous Insulation

▸ **Non-structural applications of PAC-Shield CI wood composite panels use our TER 2102-05 by DrJ Engineering. This report utilizes the following information to determine the fastening pattern:** type of base wall, stud spacing (where applicable), foam thickness of PAC-Shield CI wood composite panels, weight per sf of the cladding system. This application uses an SIP fastener.

▸ PAC-Shield CI wood composite panels have structural shearwall value in steel stud applications where the foam thickness is 2.0" or less. For structural applications with steel studs, use our engineered structural performance report, DrJ TER 2204-04.

▸ These fastening reports are available on our website on the product pages for PAC-Shield CI Nail Base, PAC-Shield CI Ply and PAC-Shield CI Ply (Class A). For assistance locating or navigating these documents please contact our technical team at 502-716-7143.

REPAIRS

▸ Damaged panels must be fully replaced and secured to the structural base wall

PAC-CLAD.COM | 800 PAC CLAD