



Installation Guide:

Nvelope NV3 System For Concealed Attachment (Non-Combustible Construction)

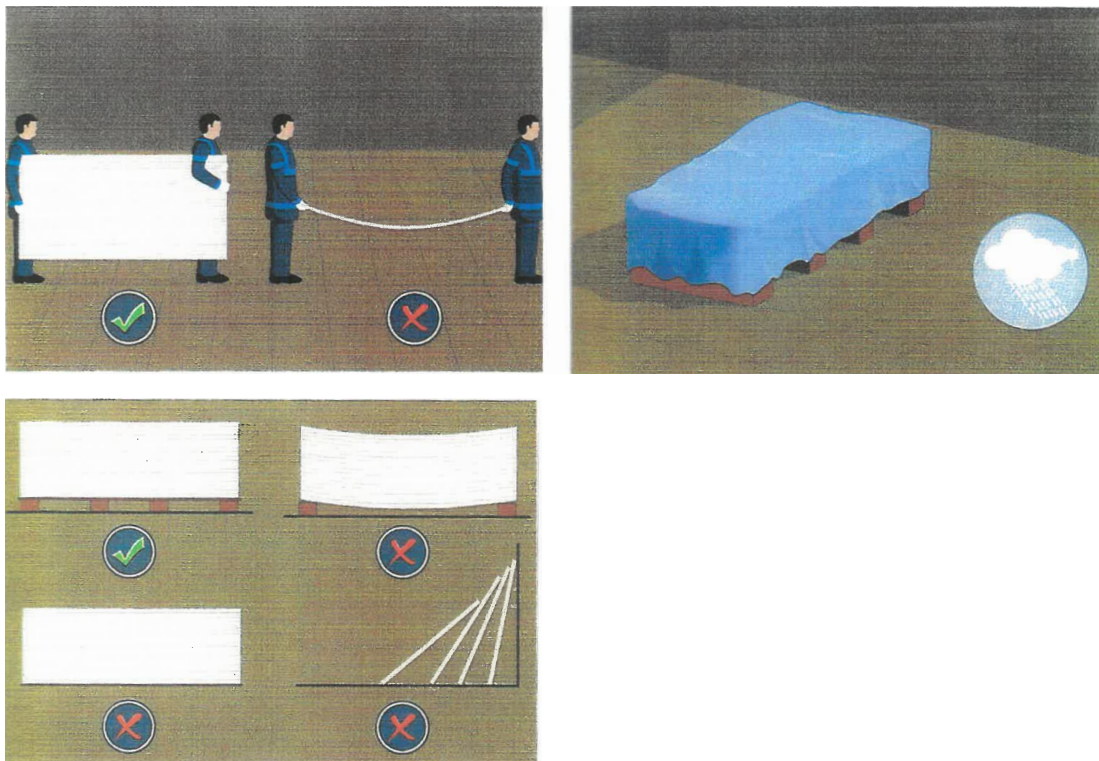
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Any unique on site details that are not addressed in this installation guide must be brought to the General Contractor's attention.

Proper Storage and Handling

- Ensure panels are stacked on flat surface (**Do not stack skids**)
- Keep panels protected from elements at all times
- Carry panels in an upright position
- Do not carry panels flat from either end
- **Do not drop or hit edges of panels**
- **Do not rest panel on corners**
- **Do not allow panels to sag when lifting**
- Exercise caution when handling channels and panels by using proper protective equipment



NOTE: Use only Acrytec materials and components for installation of Acrytec Systems. Installers must be certified and trained by Acrytec Panel Industries.

Suitable Substrates

- Poured concrete
- Structural concrete block
- Wood studs with sheathing
- Structural metal studs with sheathing
- Existing substrates (Note: Substrates are to be inspected for sound structural integrity and approved by a certified project engineer)

Materials

- Moisture/vapour barrier: Not supplied by Acrytec Panel Industries
- Single and double brackets with thermal isolator: Size as noted on drawings
- Fasteners (for bracket to substrate): Engineer approved
- Insulation: Optional
- Aluminum L Rail
- Aluminum Carrier Rail
- Fasteners (for L Rail to Carrier Rail/L Rail to brackets): #12 x 7/8" stainless steel self tapping screws
- Fasteners (for locking hanger to Carrier Rail): #14 x 1-5/8" stainless steel self tapping screw
- Non-combustible Acrytec panels: With pre-attached hangers
- Joint Sealant: Willseal 600 pre-compressed polyurethane foam sealant

Flashing

All flashings must be installed as per Acrytec details, unless otherwise noted in shop drawings.

Moisture Barrier

Moisture and vapour barrier materials must be installed as per local building code requirements and manufacturer's specifications.

How to Install NV3 System & Components

Substrate surface preparation must meet acceptable building standards and be free of any obstructions, straight and uniform.

The substrate must also be capable of handling load requirements for Acrytec systems.

- 1) Using engineered stainless steel fasteners, vertically attach single and double adjustable brackets to structural substrate (placement and layout shown in shop drawings).

Note: Insulation may be added in between adjustable brackets.

- 2) Insert L Rail into adjustable brackets and make level.

- 3) Lock L Rail into place using provided stainless steel fasteners.
- 4) Mount the horizontal Carrier Rail to the vertical L Rail using provided stainless steel fasteners (placement and layout shown in shop drawings).
- 5) Maintain a 5mm gap for expansion between all channels.
- 6) Incorporate expansion joint details where required.
- 7) Vertical channels should not span between floors.

Installation of Acrytec Panels

Note: Keep finished face down when cutting panels.

- Refinish panel edges where cutting was required. Dust from cutting must be removed before the panel is installed.
- Mount the Acrytec Panel with pre-attached static and levelling hangers onto the Carrier Rail.
- Acrytec panels should not span between floors.
- Using the adjustment screw on the top levelling hangers, adjust panel joint gap to desired dimension.
- Insert locking screw into hangers.
- Install Willseal 600 pre-compressed polyurethane foam sealant in between all panels and dissimilar materials where possible.

Sealants

Willseal 600 pre-compressed polyurethane foam sealant

- Remove adhesive backing from sealant before applying to panel edge.
- Do not stretch sealant while applying.
- Slightly compress new roll of sealant to previously applied end.

Post-Installation Precautions

Dust and debris should be removed from panels immediately after installation.