

OPUS^{PRO}

Installation Guide



Preparing for Install

Handling

Machine: Use suitable machinery and tools (belts, spacers, and forks) that are properly equipped to balance weight.

Manual handling:
Lift each board individually, with Hand-Held suction cups to avoid scratching.

Lift all sides before moving, DO NOT lift one side and drag.

Storage

Store Panels in dry-covered conditions

Place protective sheets between panels when stacking them horizontally

Panels should always be stored flat

NEVER cut, drill, or install when the material or conditions are damp.

Preparing for Install

Maintenance

When dry, remove all dust using micro-fibre or micro-soft cloth.

If dust is present on damp panels, remove dust with a soft brush and lots of water.

To clean, wash with mild soap and water

Cutting

Use a blade like the one shown here when cutting.

When cutting: the blade must slice the panel starting from the visible surface.

After cutting: the edge must be sanded, and the dust immediately removed.

Clean dust with low pressure air or a clean microfiber cloth.

Drilling

Holes must be pre-drilled on the exterior

Drilling must be done in dry conditions to prevent damage and Staining

Holes must be 2mm (1/16") larger than the shaft of the screw

Preparing for Install

Ventilation Requirements

Components:

Subframe, anchored to the building

Optional layers of waterproofing and/or thermal insulation

Fiber-cement flat-panel cladding; the outermost part of the enclosure

All fastenings and other completion components (components to prevent thermal bridges) must anchor the subframe to the building and connect the facade components.***List exact components, show images of components**

Any other accessory and completion components required to ensure the durability and functionality of the facade over time (elements for partitioning the ventilated cavity, gaskets to protect the subframe, etc.).

Preparing for Install

Requirements

Installation must have a minimum 19 mm (3/4") cavity between the substrate and the back of the panels.

There must be a 8 mm (5/16") space on both horizontal and vertical reveals. A 50% perforation of metal is required

The Ventilation cavity must not be blocked.

The ventilation of the wall cavity allows pressure equalization as well as balancing of the humidity in the wall assembly to allow condensation to evaporate and escape

Installation

Face Fastened

(Wood or Steel Studs) (Show visual diagram of install process)

****Component list****

STEP 1: Apply a breathable waterproof membrane. (refer to page __ for more information)

STEP 2: You must apply a vertical furring of wood or steel. (refer to page __for more information)

STEP 3: Next, apply the DELTA™ rubber strips to the furring as a direct base for the material. (refer to page__ for more information)

Installation

STEP 4: Finally, apply fibre cement boards to the vertical furring strips. Be careful during installation to prevent damage to the finished product

Installation of Screws (Show diagram of screw installation process and order of where to screw)

Apply screws according to the diagram:

The screws are installed in a spiral manner.

Apply the center screw first.

Use stainless steel or carbon steel screws.

Face Fastened
(With thermal break / iCLAD)

** Component list with description**

(Copy in install guide from Iclad brochure)

Installation

Rear Fastened (With thermal break and continuous rail)

Component 1.0: Set Screw (image of screw)

Component 2.0: Shim (image)

Component 3.0: Continuous Rail (Image)

Component 4.0: Rail Mount Screw (image)

Component 5.0: Blind Fastener (image)

Component 6.0: Adjustable Panel Clip (image)

Component 7.0: Adjustable Bracket (image)

Component 8.0: Adjustable Hex Screw (Image)

Component 9.0: Locking Screw (Image)

Installation

Secure the iClad Adjustable Bracket to the Wall, Stud or Concrete using the iClad Hex Screws. (Rendering of this step)

Secure the iClad Continuous Rail to the iClad substructure using the iClad Continuous Rail Mounting Screws. (Rendering of this step)

Use the iClad Shim(s) to level your wall. (Rendering of this step)

Drill a 6mm hole in the back of the panel. (Rendering of this step)

Secure the iClad Adjustable Panel Clip to the panel using the iClad Blind Fastener. (Rendering of this step)

Mount the top panel and insert the iClad Set Screw and the iClad Locking Screw.

TIPS it is essential to drill a ¼" diameter hole in the centre of the bracket.

Installation

Wood Components*****

1. Breathable Waterproof Membrane
2. Steel hat Channel**
3. Steel Z-Furring Channel**
4. 4" Delta Rubber Strip
5. 2" Delta Rubber Strip
6. 5/16" Gap between sheets
7. Stainless Steel / Carbon Steel Screw
8. 1" Minimum Screw Distance From Vertical Edge
9. 2 3/4" Minimum Screw Distance from Horizontal Edge
10. 24" Maximum Spacer Distance in vertical Plane
11. 25" Maximum Screw Distance From Vertical Plane (Less than 66')
12. 23" Maximum Screw Distance in Vertical Plane
 - a. * Maximum Distance from Vertical and Horizontal Edges
 - b. The furring should be no longer than 10'
 - c. All holes must be predrilled using a 9/32" carbide drill tip
 - d. Remember to install the center screw first and continue in spiral
 - e. The screws should only be snug against the panel
 - f. Overtightening the screws will restrict movement and cause damage
 - g. Refer to Installation Renderings

Installation

Steel Components List

Breathable Waterproof Membrane

Steel Hat Channel **

Steel Z-Furring Channel**

4" Delta Rubber Strip

2" Delta Rubber Strip

5/16" Gap Between Sheets

Stainless Steel / Carbon Steel Screw

1" Minimum Screw Distance From Vertical
Edge

2 ¾" Minimum Screw Distance From Horizontal
Edge

24" Maximum Spacer Distance In Horizontal
Plane (façade)

25" Maximum Screw Distance In Vertical Plane
(Less Than 66')

23" Maximum Screw Distance In Vertical Plane
(Greater than 66')

* 4" Maximum Distance from the Vertical and
Horizontal Edges

The Steel Must Be 16 or 18 Gauge

The Dilution Points Must Be Pre-Drilled Over-
sized Using a 9/32" Carbide Tip Drill Bit.

The Center Screw is The Fixed Point, and a
7/32" drill bit is used

Install Center Screw First

Furring Should Be No Longer Than 10'
There Must Be A ½" Gap Between Spacers
Refer to Installation Renderings

Installation

Joint Installation

Component List (With Images)

¼" x 6" Connextite CC-T65X150

#10 x ¾" Flat Head Wood Screw

#12 x ¼" Phillips Quadrex Colour Matched
Crown Laminates Fastener

#12 x 1* Pancake Type A

Vertical Joint

Horizontal Joint

Window Head

Door Head

Installation

Jamb and Corner

Components: (With Images)

¼" x 6" Connextite CC-T65X150

#10 x ¾" Flat Head Wood Screw

#12 x ¼" Phillips Quadrex Colour Matched
Crown Laminates Fastener

#12 x 1* Pancake Type A

Window Jamb

Door Jamb

Inside Corner

Installation

Extra details

Components

¼" x 6" Connexite CC-T65X150

#10 x ¾" Flat Head Wood Screw

#12 x ¼" Phillips Quadrex Colour Matched
Crown Laminates Fastener

#12 x 1* Pancake Type A

Window Sill

Panel Edge

U/S Parapet

Base @ Brick