



INSTALLATION GUIDE

ACM PANEL SYSTEM

All installations should begin with a thorough inspection of the substrate to ensure the surfaces you will be attaching panels to are acceptable to receive panels.

DESIGN CONSIDERATION

The CORE-Connect System is not limited to any specific sub wall.

ACCEPTABLE SUBSTRATE OPTIONS

- Dens-board through to structural studs
- Plywood
- Poured concrete
- CMU block
- Direct to your preferred galvanized or aluminum sub-girts
- Any thermally broken attachment system

SURFACE PREPARATION

After inspecting the substrate, correct any uneven areas by installing Carter's **.100" aluminum extruded Shadow-Girt Hat or J profiles** while shimming to a maximum of **.250" over 10'**. Once the surface has been made flat and level, begin by developing plumb and level starting points for both vertical and horizontal installation of the first rows of the CORE-Connect panels.

Set the CORE-Connect **starter extrusion** and fasten to your substrate to define your base and vertical perimeter. You are now ready to begin panel installation (*see Panel Preparation*).

PANEL INSTALLATION

You will now begin to install panels left to right or right to left, depending on preference, while stacking the CORE-Connect reveal extrusion in all vertical and horizontal joints between panels.

NOTE CORE-Connect Inside Corner (ISC) and Outside Corner (OSC) extrusions are also available to simplify panel installation and accommodate site-specific details.

PANEL PREPARATION

While preparing your panel face for installation, you must pre-drill and locate each panel's individual fastener pattern. Repeat this pattern while working across the wall, installing CORE-Connect stiffeners as necessary.

KEY FASTENING SPECIFICATIONS

- **Mounting screw:** #12 × 1" Torx Drive stainless-steel screw
- **Fastener spacing:** Maximum 16" O/C
- **Pre-drill holes:** Minimum 1/16" oversized to allow for expansion and contraction of the face-sheet material

When stiffening is required, install the CORE-Connect stiffener at **16" O/C** using Carter's structural stiffener tape. Unless site-specific engineering is required, follow the **ASTM E330** structural testing instructions, which specify stiffener locations.

PANEL OPTIONS *The CORE-Connect system can be installed with either 4 MM ACM or .125" solid-plate panels.*

PREFERRED TOOLS FOR CORE FIELD APPLICATIONS

When field-fabricating ACM panels, it is critical that the proper tools are used to cut CORE extrusions and etalbond ACM. Carter Architectural Panels, Inc. recommends the following cutting products, or similar.

APPLICATION	RECOMMENDED PRODUCT
CORE Extrusion Blade	Diablo D1080N — 10", 80-tooth blade (or similar)
ACM Blade	Tenryu Alumi-Cut AC20360DN — 8", 60T TCG (or similar)
ACM Router Bit	Amana A45781 — 108° V-Groove bit (or similar)



ARIZONA DISTRIBUTION

7453 E Pecos Road #10
Mesa, Arizona, USA 85212
T 480.828.9648

GEORGIA DISTRIBUTION

200 Bluffs Court
Canton, Georgia, USA 30114
T 404.386.7191

ONTARIO DISTRIBUTION

326 Deerhurst Drive
Brampton, Ontario, CA L6T 5H9
T 480.828.9648