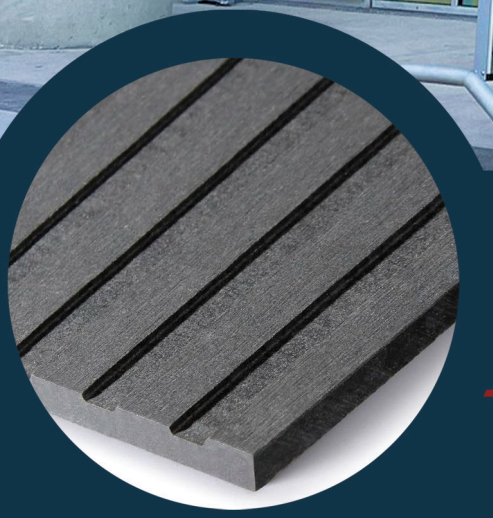
AMERICAN
FIBER CEMENT

Supplemental Installation Guidelines

ARCHITECTURAL PANELS



AFC Groove

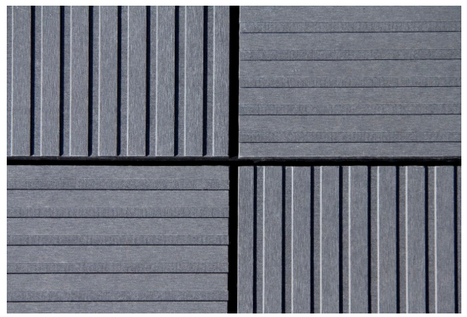
FOR STEEL, ALUMINUM, & WOOD PROFILES

These guidelines represent a supplemental illustration for proper installation of AFC Groove architectural panels in a ventilated rainscreen cladding application and are supplemental for steel, aluminum, and wood applications.

Note: The online copy of the Installation Guidelines obtained at americanfibercement.com supersedes any printed copy.

General Notes

Panel Orientation
AFC Groove can be installed in a vertical or horizontal orientation.



Visible Fastener Placement
Fasteners (screws and rivets) must be placed on the 9.5 mm-thick non-grooved portion of the board. See page one of the AFC Groove datasheet for thickness specifications. For corner hole placement, figure C in AFC's Standard guidelines must be used.

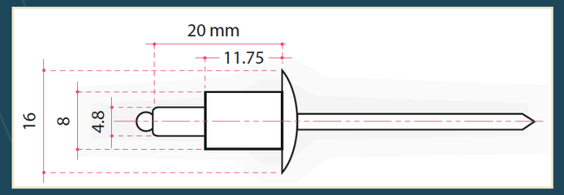
Installation on Steel and Aluminum

For installation of AFC Groove onto Steel or Aluminum profiles, AFC's Standard Installation Guidelines must be used.

Standard Installation Guidelines – Steel Profiles with Rivets
Standard Installation Guidelines – Aluminum Profiles with Rivets

The rivet used for AFC Groove is slightly different due to the panel thickness being 9.5 mm versus the standard 8mm. The collar of the rivet used to attach this panel is 11.75 mm long. All other dimensions are the same, and the installation of the rivets is also the same. Please see the figure below.

Astro Rivet® with fixed cylinder



AFC Groove Rivet Dimensions

Installation on Wood

For installation of AFC Groove onto Wood profiles, AFC's Standard Installation Guidelines must be used.
The screw shown in these guidelines must also be used.
Standard Installation Guidelines – Wood Profiles with Screws

Dynamic Bond (Hidden Attachment)

For installation of AFC Groove onto Steel or Aluminum profiles, AFC's Standard Adhesive Bonding Installation Guidelines in conjunction with the Steel, Aluminum, or Wood Standard Installation Guidelines.

Product Sustainability Statement

AFC is committed to providing the highest quality high-density compressed fiber cement panels to the U.S. and Canadian building markets. In order to do this, we feel it necessary to provide not only high-quality products, but sustainable products that can contribute to green (LEED) building projects, which in turn benefit the environment we all live in. AFC products currently have a potential contribution to various LEED credits including but not limited to:

Direct Contribution
Materials and Resources:
- Environmental Product Declarations
- Material Ingredients
- Building Life-cycle Impact Reduction

Indirect Contribution
Indoor Environmental Quality:
- Thermal Comfort

Energy and Atmosphere:
- Optimize Energy Performance

One of the most important sustainable attributes is the durability of AFC panels. With their long lifespan, virtually requiring no refurbishment, AFC panels can contribute to less replacement of materials and to drastically lower maintenance costs over the useful life of the building.

The Ventilated and Insulated Rainscreen Cladding (VIRSC) system, which is used to affix AFC panels to the exterior of a structure, offers many benefits and green attributes to the performance of the building envelope. Durability and resistance to moisture and mold build-up are noteworthy benefits. Equally important is its ability to accommodate external insulation.

In addition, AFC is dedicated to further research and analysis of our products to achieve additional LEED credits, and help further the cause of building sustainable and efficient buildings.

Warranty information available upon request.

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Phone: 303.972.5107, 800.688.8677

americanfibercement.com

For the nearest authorized fabricator, call 303.972.5107.

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Limited Warranty

American Fiber Cement (AFC) warrants that its products are manufactured in accordance with its applicable material specifications and are free from defects in materials and workmanship using AFC's specifications as a standard. Only products which are installed and used in accordance with applicable AFC instructions and specifications are in any way warranted by AFC. This warranty is applicable only to claims made in writing and received by AFC within thirty (30) days after the defect was discovered and within ten (10) years after the date of the shipment of the product by AFC. All other claims are waived. If a claim is made, you must allow reasonable investigation of the product you claim is defective and you must supply samples that adequately demonstrate the problem you claim for testing by AFC.

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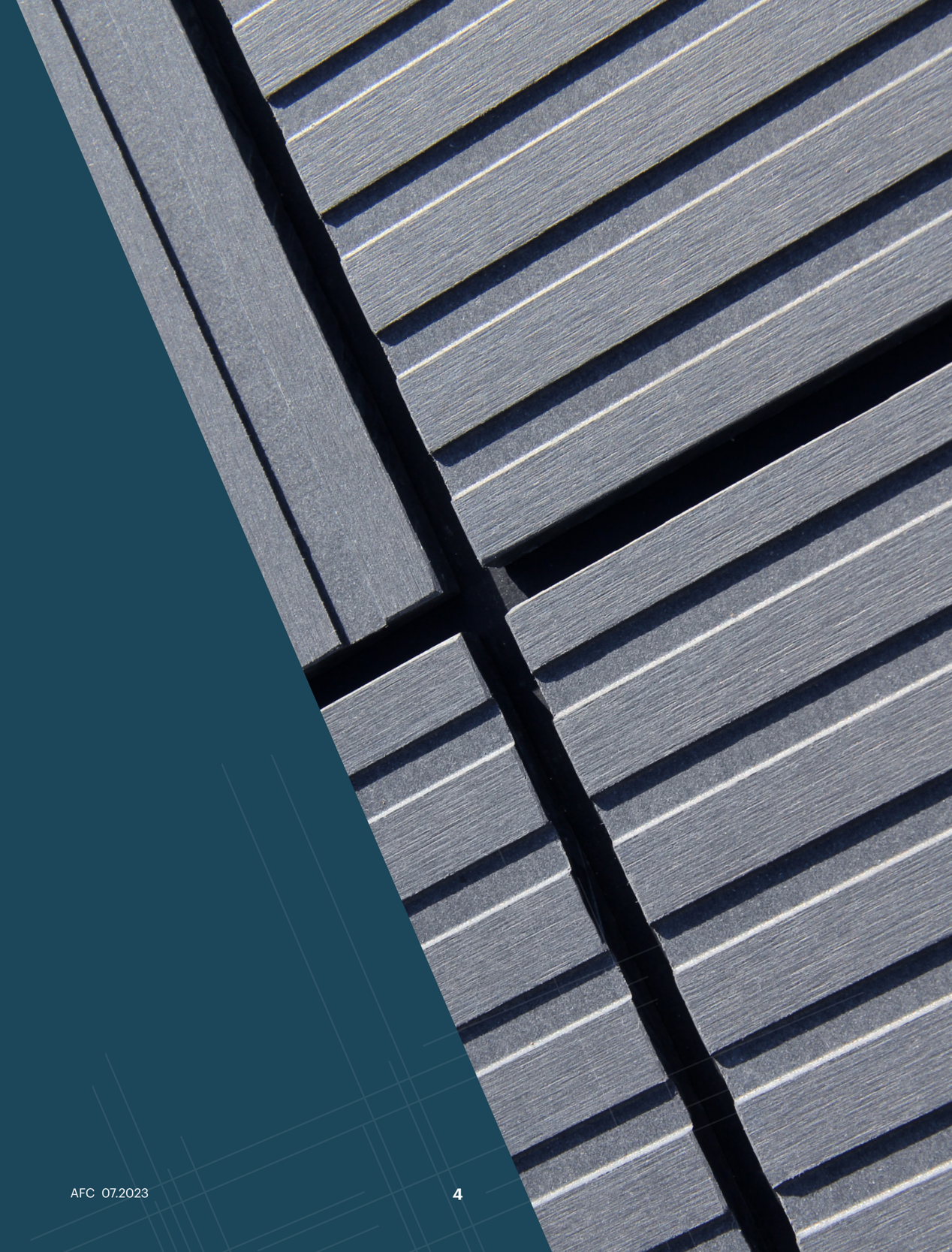

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