

FLUTED PANELS SERIES

Data Sheet



Prefinished Steel Wall Profile Without Visible Screws



FLUTE PANEL 1.1

FLUTE PANEL 1.2

FLUTE PANEL 1.3



DESCRIPTION

Modern and refined, our new fluted profile brings bold texture and architectural relief to any façade. Designed for vertical installations, it offers a sleek, contemporary look while retaining the strength and durability of premium-grade steel. Ideal for commercial, institutional and residential applications, this profile offers striking design with minimal maintenance.

WARRANTY

Our products are manufactured from top-quality galvanized steel and protected by a high-performance, laboratory-proven paint system. This composition ensures enhanced resistance to corrosion, UV rays and the elements. Backed by a 40-year limited warranty.

INSTALLATION WARRANTY

If a problem should arise during the cladding installation, it is essential to inform the supplier before installing more than 500 square feet, as the responsibility for the installation lies with the installer.



PHYSICAL DATA OF THE PROFILE

Dimensions	
Standard length	12 ft (3658 mm) (custom length available 8 ft to 13 ft (2438.4 mm to 3962.4 mm))
Height (covered)	<ul style="list-style-type: none"> • SPC1.1, 14 7/16 in (367 mm) • SPC1.2, 12.5 in (317.5 mm) • SPC1.3, 7.5 in (190.5 mm)
Thickness (depth)	<ul style="list-style-type: none"> • SPC1.1, 1 in (25.4 mm) • SPC1.2 & SPC1.3, 1.5 in (38.1mm)
Weight (per sq.ft.)	0.8 lb per sq.ft. (0.36 kg)
Available gauge Galvanized Z275 (G90) 33SS (230) grade steel as per ASTM A653/A653M	
Gauge	26 g
Packaging details	
Pallet contents (per standard of 12ft)	<ul style="list-style-type: none"> • SPC1.1 : 20 panels of 144 in (3658 mm) • SPC1.2 : 16 panels of 144 in (3658 mm) • SPC1.3 : 20 panels of 144 in (3658 mm)
Total surface area (for 12 ft panels full rack)	<ul style="list-style-type: none"> • SPC1.1 : 288.75 sq.ft (26.83 m²) per rack • SPC1.2 : 200 sq.ft (18.58 m²) per rack • SPC1.3 : 150 sq.ft (13.94 m²) per rack
Pallet weight	<ul style="list-style-type: none"> • SPC1.1 : 382 lb (173 kg) • SPC1.2 : 306 lb (139 kg) • SPC1.3 : 254 lb (115 kg)
Pallet package size (per standard of 12ft)	<ul style="list-style-type: none"> • SPC1.1 : 126 x 23.5 x 31 in (3150 x 597 x 787 mm) • SPC1.2 : 126 x 23.5 x 31 in (3150 x 597 x 787 mm) • SPC1.3 : 126 x 18 x 31 in (3150 x 457 x 787 mm)
* Wooden rack packaging for custom orders. Dimensions may vary.	
Premixed wood grain panel shades in every package for the WOOD COLLECTION	
Installation direction	
Installation orientation	Vertical

TESTS

WIND RESISTANCE

Resistance to overload due to uniformly distributed static pressure-related winds, according to ASTM STANDARD D5206-06a.

Resistance type	Pression
Breaking pressure of a component Failure mode - nailing tape (16 in c/c) *Preliminary result, full report coming soon*	3591 Pa (75 psf)

FIRE RESISTANCE

- Tested to ASTM-E2768 for use in non-combustible construction in Wildland Urban Interfaces in California (required for WUI listing).
- Tested as per CAN/ULC-S135 for use in non-combustible constructions.
- Tested as per ASTM E84 for non-combustible construction (Class A category).
- Classified 0 Flammability Hazard, according to the NFPA Rating Explanation Guide.

TYPE OF TEST	DESCRIPTION	FLUTED PANELS STATUS
CAN/ULC-S135	Fire resistance (CAN)	Compliant
ASTM E84	Fire resistance (USA)	Class A
W.U.I.	Wildland Urban Interface accreditation	Non-listed
ASTM D5206-06A	Maximum sustained pressure *Preliminary result, full report coming soon*	3591 Pa (75 psf) 16 in c/c
ASTM E330	Plank deflection under wind pressure *Full report coming soon*	16 in c/c
ASTM E283	Air leakage of the wall assembly	Compliant
FBC	Florida Building Code accreditation	Non tested
TDI	Texas Department of Insurance accreditation	Non tested
Miami Dade, ASTM E1886, E1996, TAS 202 & TAS 203	ZHLA.63 Hurricane Resistance accreditation	Non tested

TEXTURAL III & IV PAINT SYSTEM

We apply TEXTURAL paint technology to all of our products to ensure their superior quality. Each of the colors from the wide range we offer create unparalleled depths of hue and texture, perfectly reproducing noble materials such as oxidized copper, zinc, and wood, while eliminating unwanted glare from the sun through clean matte surface finishes.

IMPORTANT | WOOD COLLECTION

The WOOD COLLECTION colors are available in a variety of shades and nuances, and the number of different panels varies according to panel width. Each panel is identified on the back and front by a sequence of bold numbers preceded by the pound sign #.

- Fluted panel SPC1.1 | 2 variation per color (#10 and #11)
- Fluted panel SPC1.2 | 3 variation per color (#7, #8 and #9)
- Fluted panel SPC1.3 | 3 variation per color (#7, #8 and #9)



plank #



2 planks shades



3 planks shades

ENVIRONMENT | SPECIFIC EDP, HPD AND EDS

Placing the environment at the heart of our priorities, all of our products are made from 86% recycled material and are 100% recyclable at the end of their life.

We are committed to offering sustainable, long-lasting products made exclusively from premium North American steel. Our materials are designed to support responsible building practices and can contribute to the achievement of LEED certification. To learn more, we invite you to consult our Environmental Product Declarations (EPD) and Health Product Declarations (HPD) available on our Environmental page.



INSTALLATION SURFACES

- On plywood (min. thickness 5/8 in)
- On wood furring (16 in [406 mm] or 24 in [609 mm] center/center)
- On metal furring (16 in [406 mm] or 24 in [609 mm] center/center)

Note: All furring strips must be level horizontally and vertically to permit installation according to accepted practice and to obtain a good final installation result.

ASSEMBLY

- Join panels across their widths by using clips to cover and protect the screw holes.

FIXATION

- M50I or M50J drip flashing must be installed behind the furring and weather-stripping for Fluted Panels. It must be carefully levelled, as it will determine the straightness of the work.
- Before beginning installation, refer to the installation videos and guides to make sure you have all the tools and accessories you need to get started.
- A methodical check of the work should be carried out approximately every 5 sheets to detect any possible anomalies.
- Continuously install drip mouldings, starter mouldings, inside/outside corner pieces, borders, soffits and mouldings adjacent to doors and windows in accordance with the manufacturer's recommendations.
- Screw every 16" (406 mm) or 24" (609 mm) to the center of the holes (openings) provided.
- If the wall exceeds 13', we recommend vertical transition moulding to support the material.
- When several floors are to be covered, it's essential to use a horizontal transition moulding on the structure at every floor to help the building withstand the material's expansion.
- Where necessary, cut panels to length, using only sheet metal shears or a steel nibbler. Please look at our cutting guide for this part, which is available on our website.
- Installation of MAC coatings on Zip System, Insulated R-Sheathing or similar dual-composition panels incorporating a softer-than-wood compound is not recommended. This type of panel does not provide a rigid installation base for MAC products, and causes warping when exposed to sunlight and temperature, which in turn results in warping of the cladding sheets.

FASTENING

MAC is proud to offer you a screw system adapted to its profiles. The screws used to screw our products must meet the STM B-117 2000h standard. The use of MAC screws designed for our profiles is strongly recommended.

Use the MAC K-LATCH Century or MAC K-LATCH Self-drilling 1 1/4- or 2 1/2-in wood screws depending on the type of furring or surface to be fastened.

The screws should be set with moderate contact on the clip part of the panel to avoid impeding the expansion of the metal. The screws must not exert any upward or downward pressure to avoid deforming the siding or opening the panels at the joints. Remove the protective film from the siding prior to installation to facilitate a good visual inspection of the quality of the installation and in order to make appropriate corrections as installation progresses.



A058.250
K-LATCH High-end
Century Screw
1.25 in



A053.250
K-LATCH
Self-drilling Screw
1.25 in

ACCESSORIES & MOLDINGS

With an eye for detail, MAC offers a series of accessories compatible with its profiles to ensure a perfect finish. Discover our moldings, arches, soffits, vents, screws, and snow gates offered in our unique color series.

All standard moldings such as transition trim, inside/outside corners, and drip moldings are available from the MAC manufacturer or distributors in 10 ft (3048 mm) lengths. Please refer to the website for the complete molding and flashing guide. Custom moldings are available in 10 ft (3048 mm) lengths upon request. They can be manufactured by MAC or by a forming company from flat rolls supplied by MAC.

RESOURCES

To help you in the realization of your project, we have made all of the CAD, REVIT, and DWG drawings, as well as the videos and technical guides of our profiles, available for you to use on website. Find these resources in the PRO Space of each.

