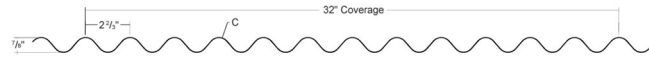


# Technical Information Sheet



## ACME 7/8" Corrugated



### Panel Information

#### Description:

The ACME 7/8" Corrugated panels are classically designed exposed fastener panels with multiple coverage and spacing options to choose from. With exceptional durability and finish options, ACME's corrugated panels are the perfect choice for function and creativity. The 7/8" Corrugated Panel has a single overlap system for vertical applications and a double overlap system for roofing applications and can be installed on slopes as low as 1:12 with approved sealant applied during installation. For Roof Applications it is recommended to install panels with bead mastic for all overlaps.

Note: For warranty and installation requirements, please contact the Building System Advisor.

#### Method of Application:

1. Open Red Iron and Steel Purlin applications up to 5'-0" spacing.
2. Steel Deck with Rigid Insulation using a furring or hat channel for attachment.
3. Solid substrates including Plywood and OSB with a minimum thickness of 7/16"
4. Panels are recommended to be applied over solid substrates with an ACME approved High Temperature synthetic underlay.

Note: All installation to be completed per the manufacturer recommended installation guides. Please consult your ACME representative for additional information.

#### Storage:

1. All ACME Sheet metal products should be stored in a well-ventilated, dry place where no moisture can contact them. Moisture (from rain, snow, condensation, etc.) trapped between the layers of material may cause water stains or white rust, which cannot be reversed and will stain the material detracting from its appearance and performance long term. Staining as a result from improper storage is not cause for rejection of materials.
2. If outdoor storage cannot be avoided, protect the panels with a ventilated canvas or waterproof paper cover. Do not use plastic, which can cause condensation. Keep the material off the ground in an inclined position with an insulator such as wood. Protective film may degrade or become brittle with long term exposure to direct sunlight.

## Precautions:

- Oil canning is not a cause for rejection. Heavier gauges, narrower widths, striations, and embossing minimize oil canning.
- Sealant for end laps and lap joints shall be non-drying, non-toxic, and non-shrinking with a serviceable temperature of -60 to 212 °F (-51 to 100 °C).
- Quality, long-life butyl sealants work best as a gasket sandwiched between two pieces of metal. Non-acetic cured silicone color matching sealants are recommended when voids must be filled. Sealants are not a substitute for proper assembly and workmanship.
- Exercise caution when lifting, moving, transporting, storing or handling ACME metal to avoid possible physical damage.
- Refer to Safety Data Sheets (SDS) for safety information.
- Immediately remove protective film after installation.

## Product Data:

Panel Type: 7/8" Corrugated  
Panel Install: Exposed Fastener  
Panel Width: 39" (Steel)  
Panel Height: 7/8"  
Panel Material: 22 GA, 24GA, 26GA  
Panel Surface: Smooth  
Minimum Slope: 1/12 (Steel) / 2/12 Aluminum  
Substrate: Open Framing\*, Plywood, B-Deck, B-Deck w/ISO

For slopes lower than a 2/12 roof pitch, install sealant per ASTM E 2140.

### Panel Testing:

UL 2218 Impact Resistance - Class 4  
UL 790 Fire Resistance Rating - Class A, per building code  
UL 263 Fire Resistance Rating - per assembly  
ASTM E 1680 Air Leakage - 0.007 cfm/ft<sup>2</sup> at 6.24 psf  
ASTM E 1646 Water Penetration - none at 12 psf  
ASTM E 283 Air Leakage - 0.004 cfm/ft<sup>2</sup> at 6.24 psf  
ASTM E 331 Water Penetration - none at 12 psf  
ASTM E 1592 Structural Performance  
UL 580 Uplift Resistance - Class 90 Construction: #649  
Florida Building Code Approved - See Report for Requirements u ICC Evaluation Report - ESR-2385

\*Available in steel only.

## Load Span Table:

Mat'l	Load Span	20	25	30	35	40	45	Max Cant.	S+	I+	S-	I-
26 Ga.	1	5'10"	4'8"	4'4"	4'2"	4'0"	3'9"					
	2	5'6"	5'9"	5'3"	4'10"	4'10"	4'3"	0'8"	0.064	0.028	0.064	0.028
	3	6'3"	5'10"	5'6"	5'3"	5'0"	4'8"					
24 Ga.	1	5'4"	5'0"	4'8"	4'6"	4'3"	4'1"					
	2	7'3"	6'7"	6'0"	5'6"	5'2"	4'10"	0'9"	0.081	0.036	0.081	0.036
	3	8'9"	6'4"	8'0"	5'8"	6'4"	5'2"					
22 Ga.	1	5'8"	5'4"	5'1"	4'9"	4'7"	4'4"					
	2	7'9"	7'3"	6'8"	6'2"	5'9"	5'6"	0'10"	0.102	0.044	0.102	0.044
	3	7'3"	6'9"	6'4"	6'1"	5'9"	5'7"					

**Note:** The load tables have been compiled for the design of steel roofing and siding used in conjunction with either wood or steel framed structures. ACME Sheet Metals Inc. assumes no responsibility, either expressed or implied, for its use.

## Fastener Information:

Overdriven fasteners will cause panel distortions.

Fasteners should extend 1/2" or more past the inside face of the support material.

Thick panels (ex. 22 ga) or supports (ex. 1/2" steel) may require predrilling of holes for screws.

## Panel Fasteners:

Attaching to Wood: #10-14 Wood Screw

Attaching to Steel: <12 ga: #12-14 Driller

Side Lap Fastener: 1/4"-14x3/4" Stitch Screw, 1' on center

Trim Fasteners: 1/4"-14 x 3/4" Stitch Screw; 1/8" x 3/16" Pop Rivet

