ArcticAnchor™

Arctic Anchor Rail Series – Clamp Style for Standing Seam

Engineered for strength, crafted with TitanCore™, and designed for effortless installation, the Arctic Anchor Rail Series revolutionizes snow retention for your standing seam roof.

01 TRIANGULAR RAIL DESIGN

The triangular shape maximizes surface area to retain snow and prevent slippage while offering a sleek, roof-matching aesthetic. Flexible under pressure, it rebounds without damage, ensuring long-term structural integrity. Featuring tapered joints and end caps for seamless alignment.

02 CLAMP-STYLE BRACKETS

Each clamp includes three pre-installed POM M8, 20 mm stainless steel screws, ensuring long-lasting performance and protection. Designed for a secure fit on standing seam roofs, they simplify installation without sacrificing strength. Our brackets are built for heavy-duty performance and effortless installation. Available in 1-hole and 2-hole options.

FEATURES

- **RATED TO HANDLE INTENSE SNOW LOADS AND EXTREME CLIMATES**
- **UV-STABILIZED TO WITHSTAND LONG-TERM SUN EXPOSURE**
- **CUSTOMIZABLE WITH MULTIPLE COLOR OPTIONS TO COMPLEMENT ANY ROOF**
- **SCREWS COME PRE-INSTALLED AND NYLON PATCH COATED TO STREAMLINE INSTALLATION**
- **OPTIONAL ICE STOPPERS TO PREVENT DANGEROUS ICE SLIDES**
- **HOLDS UP TO 3,500 LBS PER FOOT OF RAIL**
- **SUPPLIED IN 7-FOOT SECTIONS FOR CONVENIENT TRANSPORT AND HANDLING**
- **ENHANCES ROOF AESTHETICS WITH A MODERN, SLOPE-ALIGNED PROFILE**
- **FEATURES NYLON-TIPPED POM 304 STAINLESS STEEL SCREWS TO ELIMINATE METAL-ON-METAL CONTACT AND PREVENT CORROSION**

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Easy-to-Install Rail System Designed For Durability And Efficiency

STEP 1 Mark a line 9"–12" inches from the gutter line. Position the clamp so the flat side of the triangular rail faces north (up the roof) to catch snow, with the clamp base aligned on the marked line.

STEP 2 Using an 8mm hex bit, drive the POM-tipped screws into the roof seam, starting with the outer screws and leaving the middle screw for last. Tighten to 100-120psi.

STEP 3 Slide the triangular rail through the clamp guide holes, using a joiner with adhesive to connect rail sections as needed. Trim excess rail if necessary, leaving 1/4 inch of extra length for flexibility. Secure end caps with adhesive inside the rail for a firm fit.

Extensively Validated Third-Party Testing for Arctic Anchor with ASTM, ISO, and International Standards

TESTING TYPE	TEST METHOD/STANDARD	PURPOSE
Tensile Testing	ASTM E8/E8M	Measure tensile strength and breaking load
Insert Pull-Out Strength	ASTM D5961	Assess mechanical grip of ridged inserts
Screw Torque Stress	ASTM D6264	Check for damage around inserts
Long-Term Load Creep	ASTM D2990	Measure deformation over time
Weathering (UV Aging)	ISO 4892-2:2013/Amd.1:2021 (Cycle 1)	Assess resistance to UV light and weathering
Stress Test (Cold)	IEC 60068-2-1:2007	Evaluate performance under cold conditions*
Stress Test (Dry Heat)	IEC 60068-2-2:2007	Evaluate performance under dry heat conditions
Thermal Cycling	ASTM D1183	Simulate rooftop conditions (-20°c to +60°C)
Linear Thermal Expansion	ASTM D794	Quantify dimensional change vs. aluminum
Temperature & Humidity	GB/T 2423.4-93 (IEC 68-2-30)	Test durability under varying temperature and humidity**

[*Equipment inferred based on temperature range compatibility; not explicitly specified in the report for IEC 60068-2-1 and IEC 60068-2-2 tests.] &
[**Condition (-40°C) inferred from tensile testing context; specific test temperature not detailed in the report for IEC 60068-2-1.]

MANUFACTURER'S WARRANTY	
Duration:	Lifetime
Defect Protection:	✔
Corrosion Resistance:	Lifetime
Replacement Guarantee:	✔

COLOR FADE WARRANTY	
Duration:	10 years (0-2 Δ Change)
UV Protection:	✔
Fade Protection:	✔
Color Match Assurance:	✔

STRUCTURAL WARRANTY	
Duration:	Lifetime
Structural Integrity:	✔
Damage Prevention:	✔
Load Capacity:	✔
-40 Rated:	✔
Seam Damage Prevention:	✔

COLORS & FINISHES

A wide choice of colors and finishes as well as custom color matching are available upon request


BLACK


MIDNIGHT BLACK


CHARCOAL


PREMIUM CUSTOM COLORS

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