



INTRODUCTION TO METAL ROOFING AND SIDING

March 2023

Marketing & Engineering Department



Distinctive Design. Long Lasting Performance.

ASC Building Products is a leading manufacturer of premium metal roofing and metal siding products designed to provide long-lasting protection.

As a trusted brand for over 50 years, you can count on ASC Building Products' variety of metal panels and colors to provide performance, long-lasting value, and peace of mind to protect what's important

Giving homeowners and building owners the confidence to enhance, protect and extend the beauty of their homes or buildings with metal is our mission and promise.



- 1 Benefits of Metal Roofing
- 2 Metal Panels Offered
- 3 Trims, Flashings, and Accessories
- 4 Colors and Warranties
- 5 Estimating Services and E-Commerce
- 6 Packaging, Shipping, Delivery & Storage
- 7 Installation Resources
- 8 Online Resources





1. BENEFITS OF METAL ROOFING



- **LONG LASTING.** Lasts up to 60 years with proper maintenance and installation.
- **ENERGY EFFICIENT.** Save as much as 25% in energy costs with “cool” colors.
- **SAFE.** Metal roofs will not ignite or support combustion during a wildfire or lightning strike.
- **ENVIRONMENTALLY FRIENDLY.** 100% recyclable at the end of its life cycle.
- **LOWER INSURANCE COSTS.** Qualifying impact-resistance certifications may qualify for premium discounts.
- **DURABLE.** Metal roofs withstand extreme weather conditions and have the highest Class 4 hail impact resistance.²





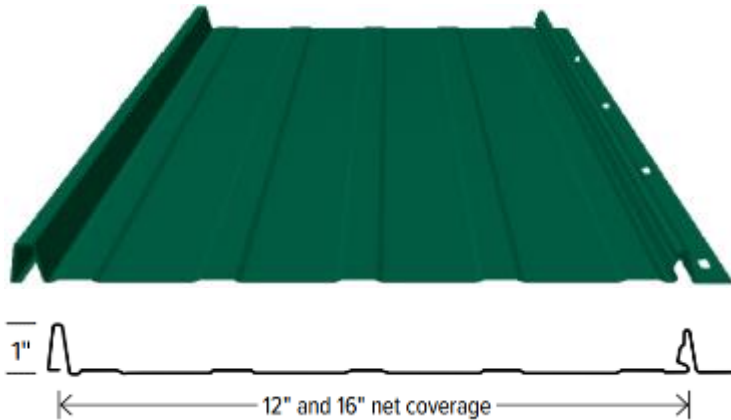
2. METAL PANELS OFFERED



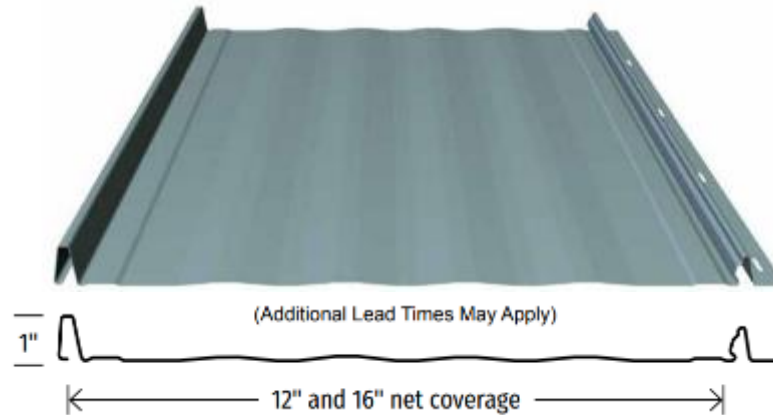
SKYLINE ROOFING® AND SKYLINE ROOFING® HP



Standard Ribbed



Striated



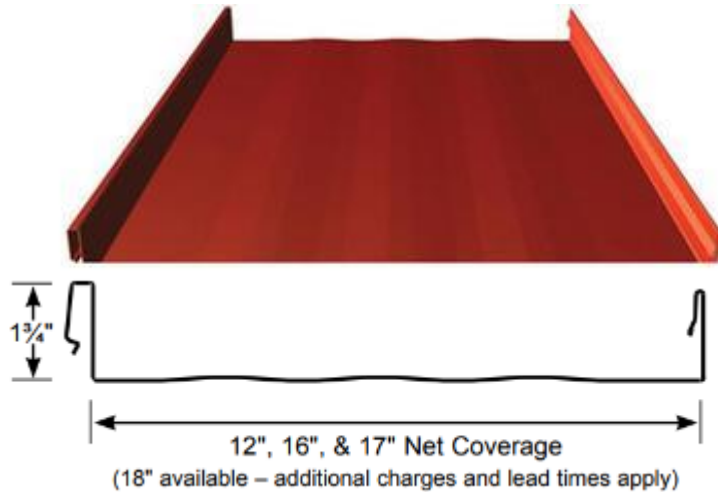
Classic standing seam metal roof panel with concealed fastener design. The perfect choice for new residential construction or remodels.

Available in 12" or 16" coverages in 26ga colors.

Skyline Roofing *hp* is a 24ga high-performance panel available only in a 16" coverage and 24ga premium colors.

[Click here to see more Skyline Roofing details](#)

[Click here to see more Skyline Roofing *hp* details](#)



Performance-rated, premium standing seam metal roof panel ideal for residential and commercial applications.

- 12", 16", 17" & 18" coverages in 24 & 22 ga colors.
- Subtle striations available for 16", 17" & 18" sizes.
- Snap-together design – no field seaming required.

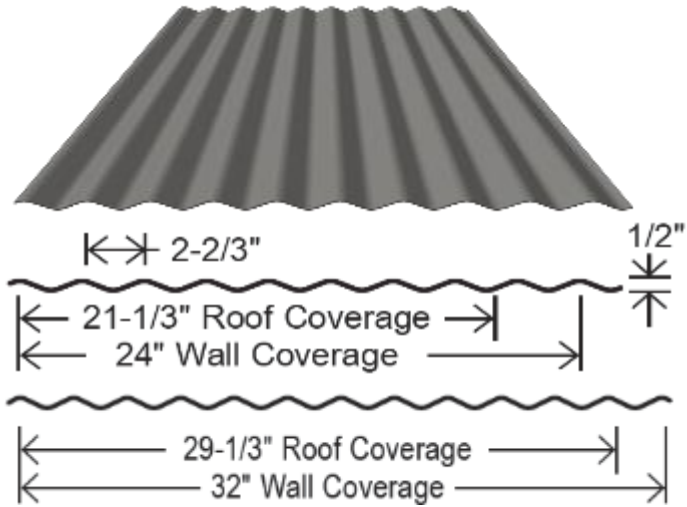


Subtle striations between ribs help reduce the appearance of oil-canning as shown above.

[Click here to see more Design Span *hp* details](#)

CORRUGATED METAL ROOFING & SIDING

2 1/2" Corrugated



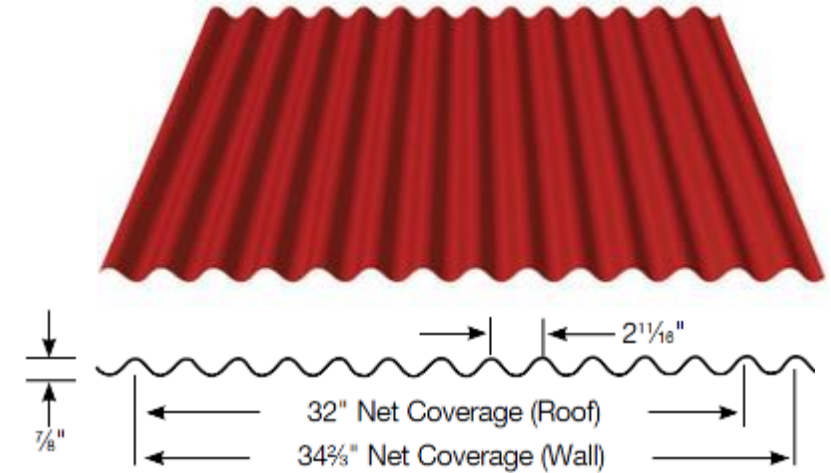
Exposed fastener panel with 1/2" deep corrugations offered in 29 & 26ga colors.

This panel is a top choice for projects ranging from country to modern design.

[Click here to see more 2 1/2" Corrugated details](#)



Nu-Wave Corrugated®



Exposed fastener panel with 7/8" deep corrugations offered in 26, 24, & 22ga colors.

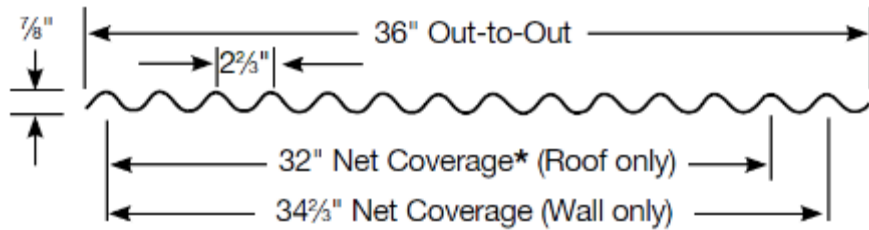
This classic corrugated panel is suited for a variety of roofing and siding applications.

[Click here to see more Nu-Wave Corrugated details](#)

IRONOX CORRUGATED



22 ga unpainted and untreated steel allows the surface to rust and form a natural iron oxide finish.



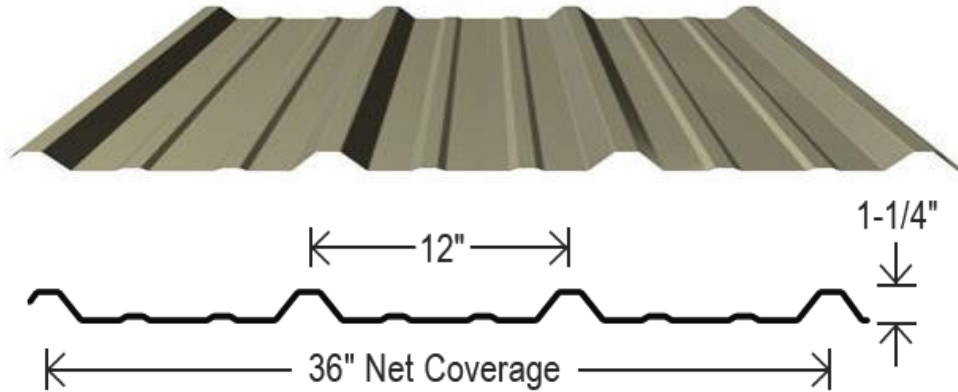
IronOx Corrugated is ideal for creative builders looking to design with the aesthetic beauty of rusted corrugated steel.

Note: IronOx does not meet the minimum requirements for a metal roof covering per the IBC® and IRC®. Check the building code requirements for your project before ordering or installing.



[Click here to see more IronOx Corrugated details](#)

PBR PANEL



Ideal for pre-engineered metal, post-frame, and agricultural buildings.

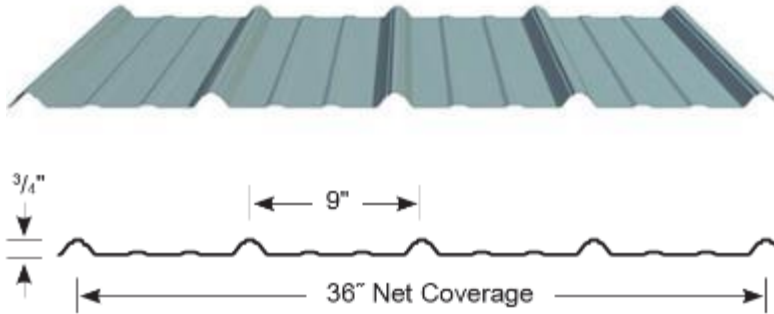
PBR Panel offers a unique, yet flexible design when combined with other building materials and is perfect for use in buildings for livestock and animal confinement.

Available in 26, 24 & 22ga colors and paint systems.



[Click here to see more PBR Panel details](#)

Strata Rib®

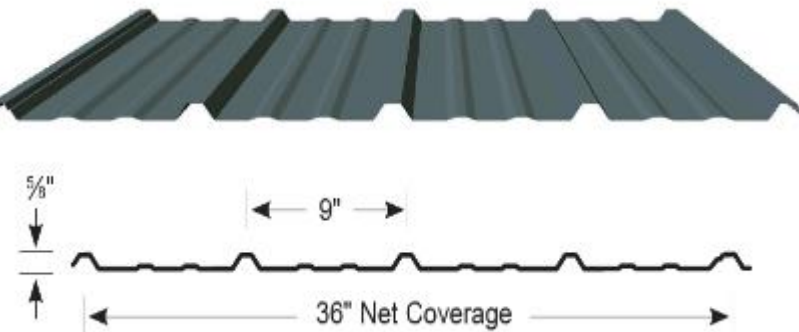


Strata Rib features a 3/4" reinforced major rib which provides added strength and durability.



Both are 36" exposed fastener panels available in 29 and 26ga colors.

Nor-Clad®



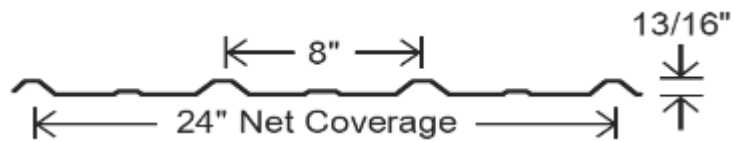
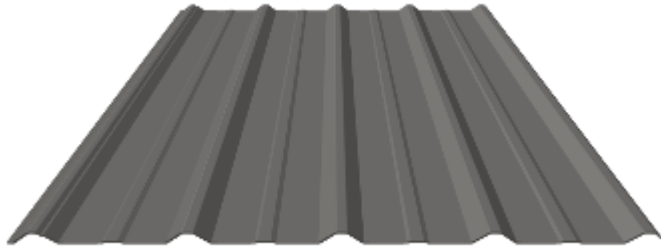
Nor-Clad is an industry-standard panel that can help save time and money with its ease of installation.



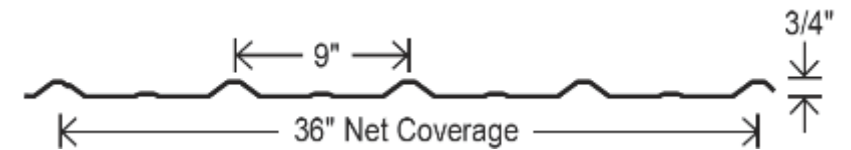
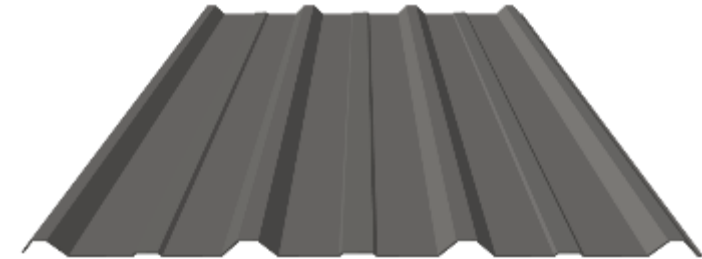
[Click here to see more Strata Rib details](#)

[Click here to see more Nor-Clad details](#)

Delta Rib™



Delta Rib™ III



Delta Rib and Delta Rib III are exposed fastener panels ideal for residential and light-commercial roofing or siding projects.

Both are available in a variety of 29 and 26ga colors.

Available in a 24" (Delta Rib) or 36" (Delta Rib III) coverages.

[Click here to see more Delta Rib details](#)

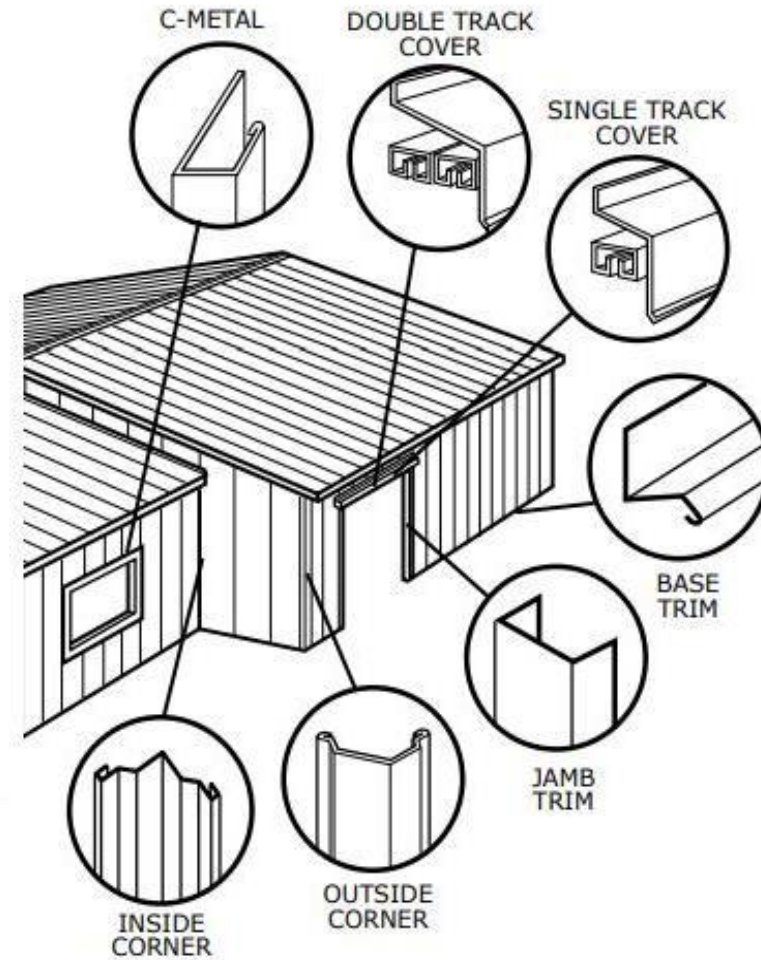
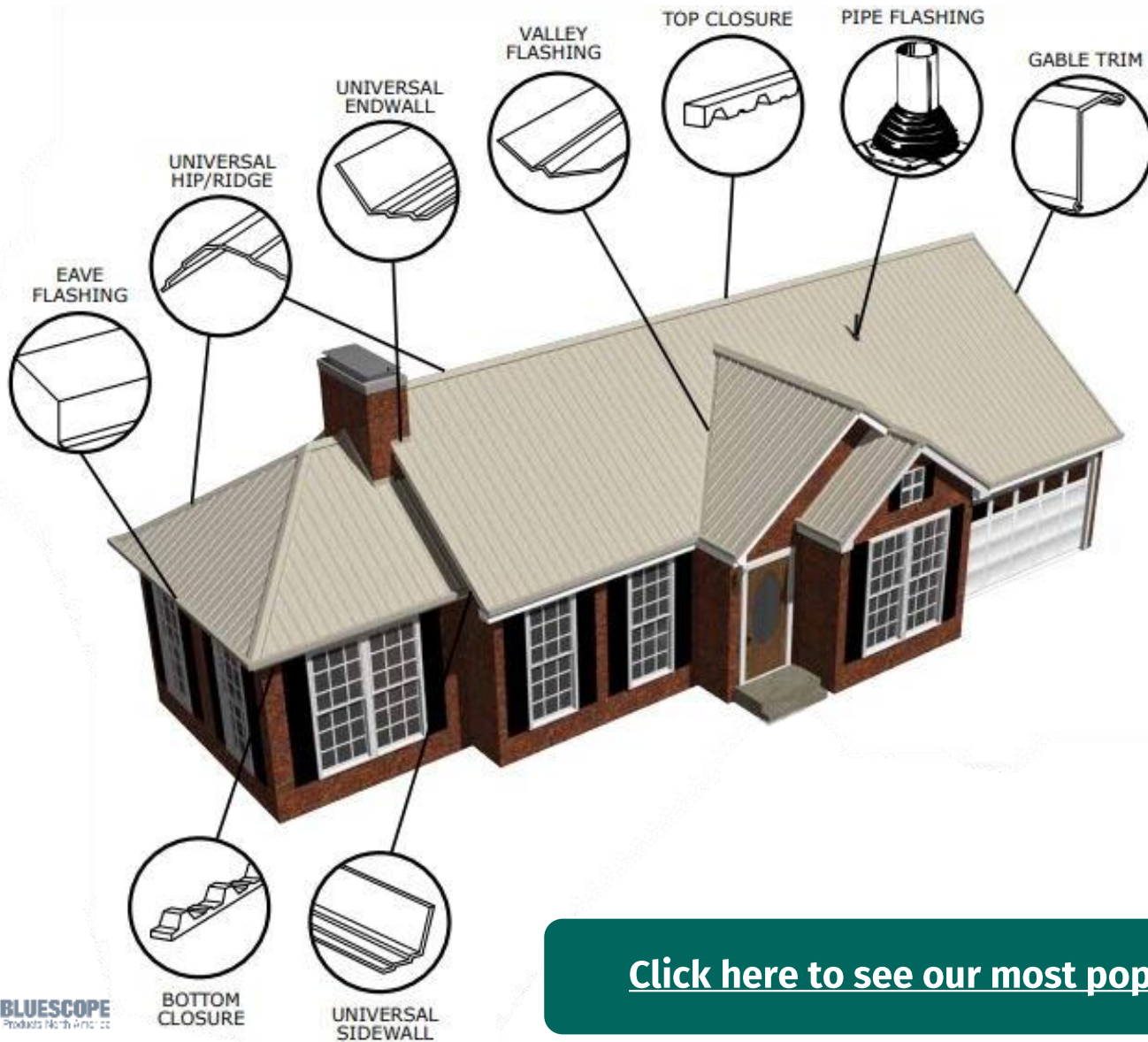
[Click here to see more Delta Rib III details](#)



3. TRIMS, FLASHINGS & ACCESSORIES



TRIMS & FLASHINGS



[Click here to see our most popular Trims available](#)



Wide variety of hardware and accessories.

- Painted screws and rivets
- Mastic tape
- Foam closures for each panel profile type
- Touch-up paint pens
- Standard and high-temperature boots for pipe penetrations



[Click here to learn more about Foam Closures](#)



POLYCARBONATE – SKYLIGHT & SIDELIGHT PANELS

SUNSKY Polycarbonate panels match up to ASC Building Products most popular metal panel profiles.



SUNSKY is a registered trademark of PALRAM Industries LTD.

[Click here for additional SunSky Polycarbonate documents](#)

Polycarbonate panels are virtually unbreakable, offering up to 20 times greater impact resistance compared to fiberglass.

Available in the following popular panel profiles:

Panel	Length	Color
PBR Panel	12'	White Opal
Nu-Wave® Corrugated	12'	White Opal
2 1/2" Corrugated	8' • 10' • 12'	White Opal
Nor-Clad®	2' • 8' • 10' • 12'	Clear & White Opal
Strata Rib®	2' • 8' • 10' • 12'	Clear & White Opal
Delta Rib™	8' • 10' • 12'	Clear & White Opal
Delta Rib™ III	8' • 10' • 12'	Clear & White Opal



ASC Building Products offers Flat Sheet service available in all Standard Colors and paint systems.¹

- 40-7/8" x 10'-6" in 29 ga Dura Tech™ *xl* Colors
- 41 9/16" x 10'-6" in 26 ga Dura Tech™ *xl* Colors
- 42 3/4" x 10' in 26 ga Dura Tech™ *nt* Colors
- 48 3/8" x 10' in 24 ga Dura Tech™ *5000/mx* Colors

¹Inquire with Sales Representative for lead times and availability.



All painted Flat Sheet comes with strippable film applied to help keep the sheets protected.



4. COLORS AND WARRANTIES



GOOD, BETTER, & BEST PAINT FOR METAL ROOFING & SIDING



Paint System	Standard Polyester (POLY)	Silicon Modified Polyester (SMP)	Polyvinylidene Fluoride (PVDF)
ASC Building Products paint system name	ColorGuard 25 with Spectrascape®	Dura Tech™ <i>xl</i> Dura Tech™ <i>nt</i>	Dura Tech™ 5000 Dura Tech™ <i>mx</i>
Overall	GOOD	BETTER	BEST
Gauge	29	29 and 26	24 and 22
Price Point	Lowest	Moderate	Higher
Warranty	25 Year Limited	Limited Lifetime Residential 25 Year Non-Residential	Limited Lifetime Residential
Durability	Limited to Good	Medium to High	Highest
Application	Versatile. Agricultural or Industrial buildings.	Wide Range. Residential and Light Commercial.	High-end. Residential, Architectural, and Commercial.

[Click here to learn more about paint systems used for Metal Roofing & Siding](#)

STANDARD 29 AND 26 GAUGE COLORS



ZINCALUME® Plus



Winter White



Surf White



Light Stone



Desert Beige



Cascade Gray



Taupe



Patina Steel



Chestnut Brown



Classic Brown



Matte Black



Canyon Red



Rustic Red



Old Town Gray



Old Zinc Gray



Weathered Copper



Slate Gray



Tahoe Blue



Everglade



Denali Green



Forest Green



Copper Penny



Natural Rust



Dura Tech™ xl Paint System (SMP)

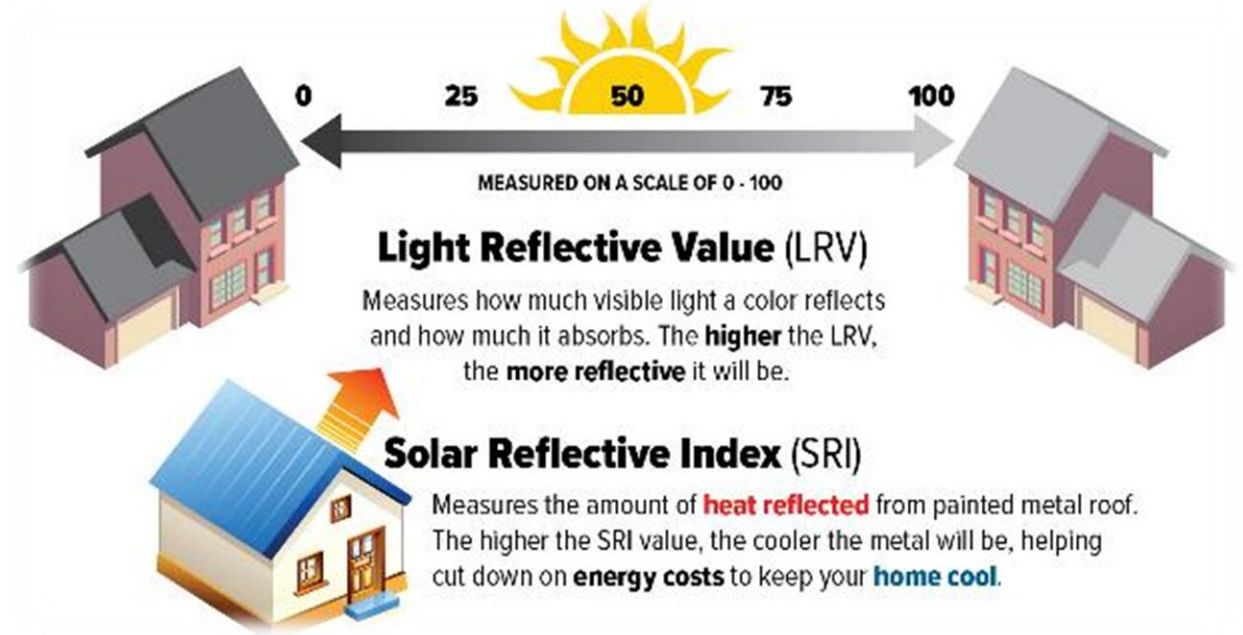
[Click here to see our Interactive Color Chart for a full list of panel profiles and colors offered](#)

STANDARD 29 AND 26 GAUGE COLOR MATRIX

Color Key															
Dura Tech™ xl (SMP)															
ColorGuard 25 with Spectrascap® (Polyester)															
Dura Tech™ nt (SMP)															
ZINCALUME® Plus (Unpainted product)															
Premium Color (Subject to upcharge)															
Colors & Gauges	26	26	29	26	29	26	29	26	29	26	29	26	26	26	
	12" Skyline Roofing®	16" Skyline Roofing®	2 1/2" Corrugated	24" Delta Rib®	36" Nor-Clad®	36" Strata Rib®	36" Delta Rib™ III	36" PBR Panel	36" Nu-Wave® Comrigated						
ZINCALUME® Plus		AK/CA OR/WA	1	WA		AK/CA OR/WA		AK/CA OR/WA							
Winter White		CA OR/WA				AK/CA OR/WA	OR WA	AK/CA OR/WA	WA						
Surf White						OR WA		OR WA							
Light Stone		CA OR/WA				AK CA OR/WA	CA OR/WA	AK CA OR/WA							
Desert Beige						AK/CA OR/WA	OR WA	AK/CA OR/WA	WA						
Cascade Gray						OR		OR							
Taupe						CA OR/WA		CA OR/WA							
Patina Steel		CA OR/WA				CA OR/WA		CA OR/WA							
Chestnut Brown		AK/CA OR/WA				AK/CA OR/WA	OR WA	AK/CA OR/WA	WA						
Classic Brown		AK/CA OR/WA				AK/CA OR/WA		AK/CA OR/WA							
Matte Black		AK/CA OR/WA				AK/CA OR/WA		AK/CA OR/WA							
Canyon Red						AK/CA OR/WA		AK/CA OR/WA							
Rustic Red		AK/CA OR/WA				AK/CA OR/WA	OR WA	AK/CA OR/WA	WA						
Old Town Gray		CA OR/WA				AK/CA OR/WA	OR WA	AK/CA OR/WA	WA						
Old Zinc Gray		AK/CA OR/WA				AK/CA OR/WA		AK/CA OR/WA							
Weathered Copper		AK/CA OR/WA				AK/CA OR/WA		AK/CA OR/WA							
Slate Gray		AK/CA OR/WA		CA		AK/CA OR/WA		AK/CA OR/WA							
Tahoe Blue		AK/CA OR/WA		WA		AK/CA OR/WA	OR	AK/CA OR/WA	OR						
Everglade		CA OR/WA				AK/CA OR/WA		AK/CA OR/WA							
Denali Green		AK/CA OR/WA				AK/CA OR/WA	OR WA	AK/CA OR/WA	WA						
Forest Green		AK/CA OR/WA				AK/CA OR/WA	OR WA	AK/CA OR/WA	WA						
Copper Penny*		AK/CA OR/WA				AK/CA OR/WA		AK/CA OR/WA							
Natural Rust*		AK/CA OR/WA	1			AK WA		AK WA							
IronOx²														2	
Production Locations	Salem, OR	Multiple Locations (See Key)	Sacramento, CA	Sacramento, CA	Sacramento, CA, Spokane, WA	Sacramento, CA	Multiple Locations (See Key)	Sacramento, CA, Salem, OR	Multiple Locations (See Key)	Sacramento, CA, Salem, OR	Salem, OR	Sacramento, CA	Sacramento, CA		

Not every panel is available in every color.
 Refer to the Color Chart Matrix or Interactive Color Chart on the website.

All colors are listed with the Cool Roof Rating Council (CRRC), and the solar performance data aids in meeting sustainability targets.



[Click here to see the downloadable PDF Color Chart Matrix](#)

STANDARD 24 AND 22 GAUGE COLORS



ZINCALUME® Plus



Regal White



Parchment



Sierra Tan



Pebble



Walnut



Weathered Copper



Dark Bronze



Terra-Cotta



Colonial Red



Old Town Gray



Zinc Gray



Slate Gray



Midnight Bronze



Matte Black



Tahoe Blue



Regal Blue



Sage Green



Leaf Green



Forest Green



Metallic color options in our premium fluoropolymer (PVDF) pearlescent paint system.



Metallic Silver



Silversmith



ZACTique® II



Metallic Champagne



Metallic Copper



Vintage®

Dura Tech™ 5000/mx Paint System (PVDF)

[Click here to see our Interactive Color Chart for a full list of panel profiles and colors offered](#)



Dura Tech[®] xl Limited Lifetime Residential Warranty

ASC Building Products, a division of ASC Profiles LLC ("ASC") provides the following limited warranty to the original homeowner identified on the face of this limited warranty (the "Purchasing Homeowner") for installed Dura Tech xl coated steel panels (the "Product").

THIS LIMITED WARRANTY IS NON-TRANSFERABLE AND IS LIMITED TO THE LIFETIME OF THE PURCHASING HOMEOWNER. LIFETIME MEANS AS LONG AS THE PURCHASING HOMEOWNER OWNS THE PROPERTY WHERE THE PRODUCT IS INSTALLED OR UPON THE DEATH OF THE PURCHASING HOMEOWNER, WHICHEVER OCCURS FIRST. IN THE EVENT OF TWO OR MORE PURCHASING HOMEOWNERS, COVERAGE TERMINATES UPON ANY CHANGE OF CONTROL OR THE DEATH OF THE LAST PURCHASING HOMEOWNER.

No representative, dealer, reseller, employee, installer or any other person is authorized to make, modify or change this limited warranty or make any other warranty, representation or promise on behalf of ASC with respect to the Product. No term or condition other than those stated in this limited warranty and no agreement or understanding, whether oral or written, in any way purporting to modify or change this limited warranty will be binding on ASC, unless made in writing and signed by the President of ASC.

What This Warranty Covers and How Long This Warranty Lasts.

Subject to the terms and conditions contained in this limited warranty, ASC warrants that as long as the Purchasing Homeowner owns the single-family residence stated on the face of this limited warranty:

(1) The paint on the Product will not, for the lifetime (subject to the pro-rations under "What ASC Will Do" section below);

(2) Check, blot or seal (and/or other) to an extent that is

For the Limited Warranty to Apply, the Following Must be Met:

Registration Requirements. This limited warranty is not valid until it is registered with ASC by returning the completed registration form (below) within 150 days of the date of shipment by ASC.

Installation information. The Product must be installed to prevent standing water and condensation. The roof pitch must not be less than 1/4:12. Responsibility for selection of suitable long-lasting fasteners to be used with the Product rests solely with the Purchasing Homeowner or the installer it chooses. Although ASC may provide information to aid in selection of fasteners, the provision of such information by ASC will not constitute an endorsement or warranty of performance of the Product with those fasteners under any conditions.

Maintenance Requirements. The Product must be washed regularly, either by sweet or tap water or by cleaning with 1/3 cup of Tide[®] detergent or other common detergent containing less than 0.5% phosphate dissolved in one gallon of water. A clear water rinse should follow immediately. The Product must not be cleaned with abrasive or chemical cleansers. Cleaning must include the underside of any panel overhang where the underside is exposed to the weather. Product is installed in a mild marine environment, less than 1 mile and greater than 1,000 feet from breaking surf. Product must be washed two times per year.

What ASC Will Do.

ASC will repair or replace the defective Product or at the sole option of ASC, refund the purchase price for any defective Product to the Purchasing Homeowner. **This is the Purchasing Homeowner's sole and exclusive remedy against ASC.** After the 25th year after shipment, ASC, at its sole option, will (i) pay only a portion of the cost of repair or replacement of the defective Product or (ii)

Sample Warranties Available Online

Limited Lifetime Residential and Non-Residential Warranties Are Available

Warranty	Paint System	Residential	Non-Residential
ZINCALUME [®] Plus	Bare	25 Year	25 Year
Dura Tech [™] xl	SMP	Limited Lifetime	25 Year
Dura Tech [™] nt	SMP	N/A	25 Year
Dura Tech [™] xlp	SMP	Limited Lifetime	25 Year
Dura Tech [™] 5000/mx	PVDF	Limited Lifetime	N/A
Dura Tech [™] 5000 print	PVDF	Limited Lifetime	N/A
ColorGuard 25 with Spectrascape [®]	POLY	25 Year	25 Year

[Click here to see all Sample Warranties](#)

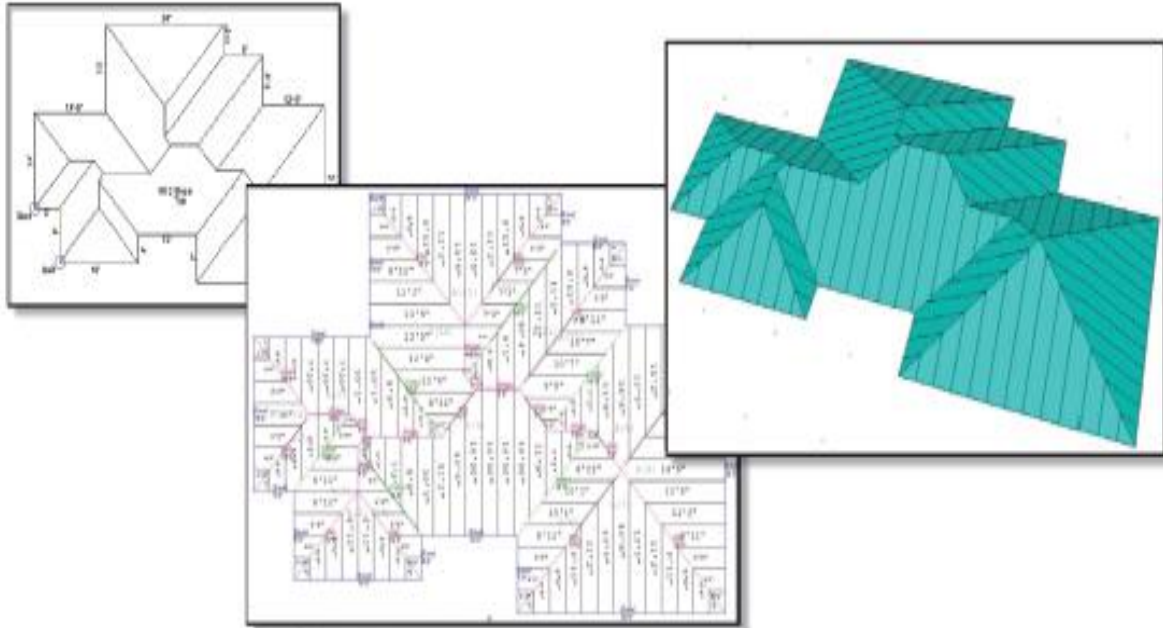


5. ESTIMATING SERVICES & E-COMMERCE



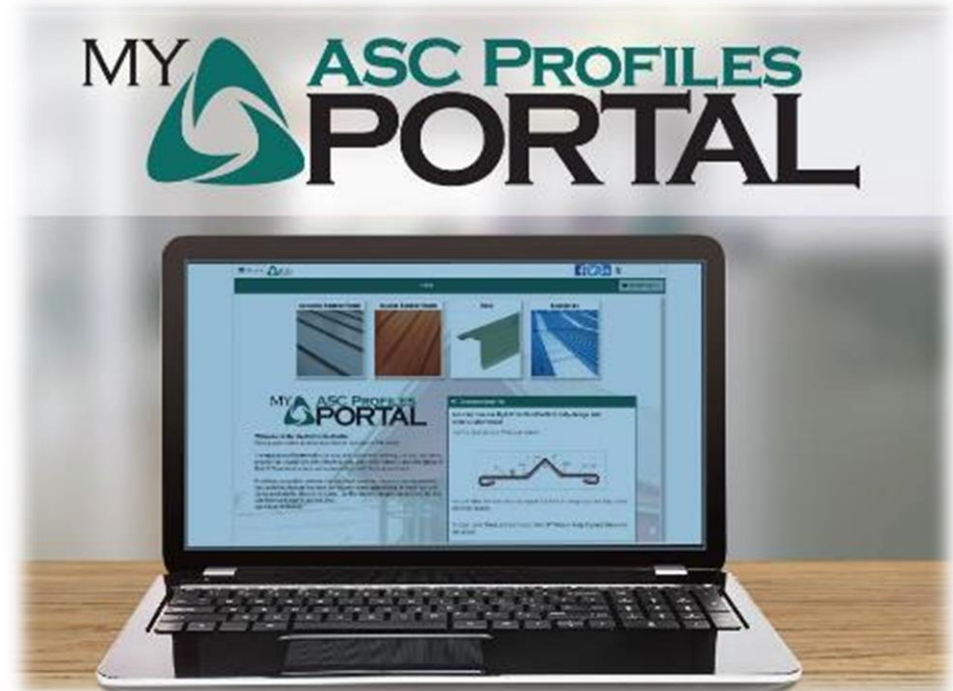
From customer roof specs to computer generated roof and wall estimates and 3D images.

Using state of the art professional software, we can provide quick, accurate, economical estimates and complete bills of materials.



[Click here to contact us about Estimating Services](#)

The **MyASCProfilesPortal** is an easy and convenient ordering tool existing customers can use to get quotes, place their orders, check the status of their E-Commerce orders, and access historical E-Commerce orders



[Click here to access the MyASCProfilesPortal](#)



6. PACKAGING, SHIPPING, DELIVERY, & STORAGE



PACKING AND SHIPPING



- Standard packaging is included in the price of most ASC Building Products.
(long length, pro-pack, additional requested skids and export packaging is available for additional cost and is added to the standard packaging fees).
- Freight is included in the price of most ASC Building Products to your yard.
(Additional charges may apply for drop ships to the actual jobsite or full dedicated trucks within a reasonable distance from your yard).
- Boom/Moffett trucks are also available in limited areas and can deliver directly to the jobsite.
(boom trucks must be specified at time of order and may change lead times depending on availability. Additional charges may apply).
- Customers must have proper off-loading equipment available to receive deliveries without boom trucks.



Pre-painted and pre-finished ZINCALUME® materials are subject to premature corrosion failures prior to installation if they are not handled and stored properly.

Excessive storage periods or poor storage conditions often result in water intrusion. Prolonged exposure to wet conditions can cause paint blistering and galvanized substrate corrosion or staining in as little as 2 weeks. *This will invalidate the warranty.*

Stored panels should be protected from exposure to moisture, direct sunlight, and precipitation. It is recommended to store panels indoors, for the utmost protection from environmental conditions. If outdoor storage is the only option, it is recommended to store panels elevated under a water-proof tarp and tilted to facilitate drainage.

Direct sunlight exposure can affect the protective film leading the adhesives to bond and potentially leave residue.

The best practice is to order materials when they are ready to be installed.

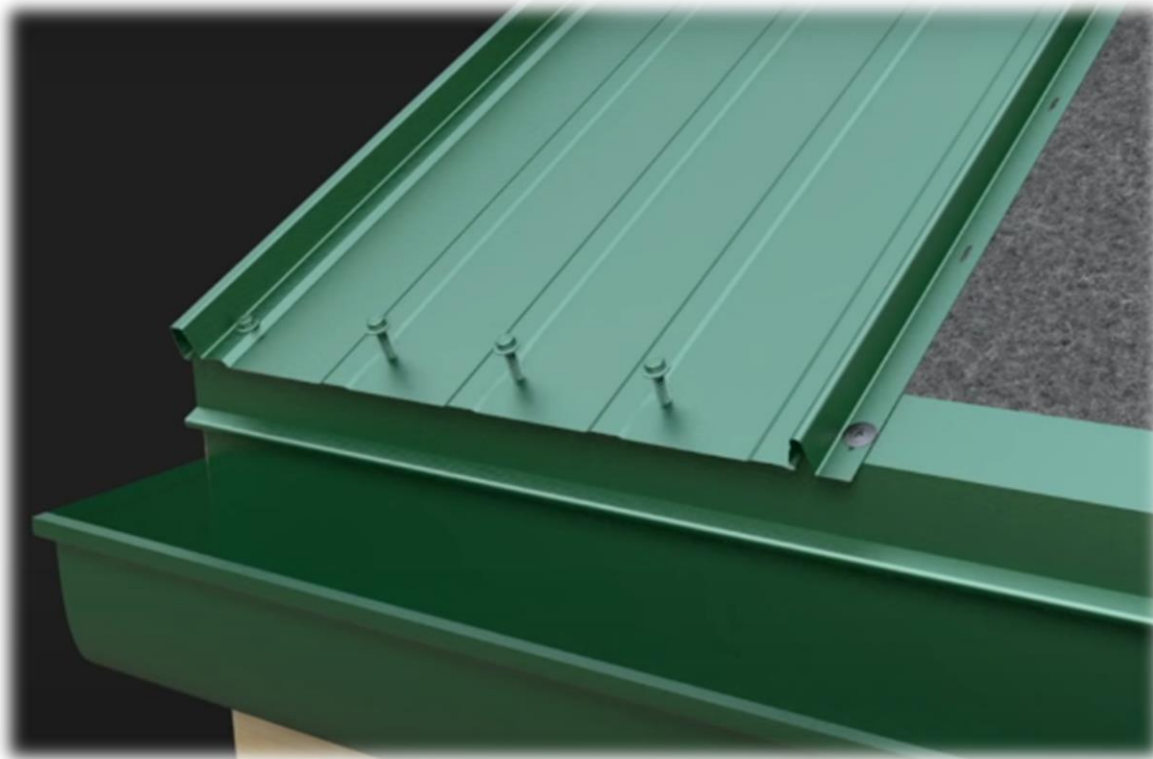
[Click here to view all Technical Bulletins for Guidelines for Jobsite Storage](#)








7. INSTALLATION RESOURCES

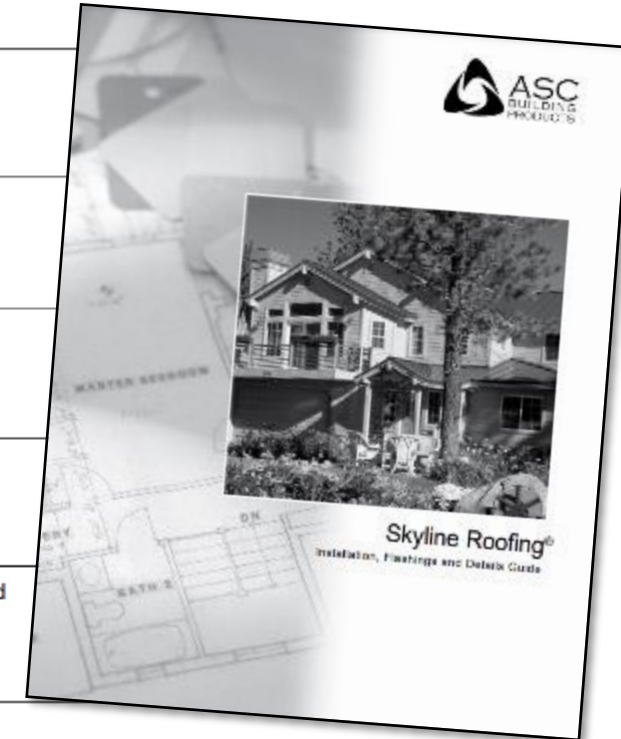


Minimum slope is 3:12 pitch. Minimum 30 lb. felt required.



Fastener Selection

FASTENER#	DESCRIPTION
1.	 No. 8 x 1" Modified Truss Head Wood Screw
2.	 No. 12 x 3/4" Stitch Screw
3.	 No. 14 x 1" Metal-Wood
4.	 STST-42 Stainless Steel Rivet 1/8" x 1/8"
5.	 No. 10-12 x 1" Pancake Head Wood Screw

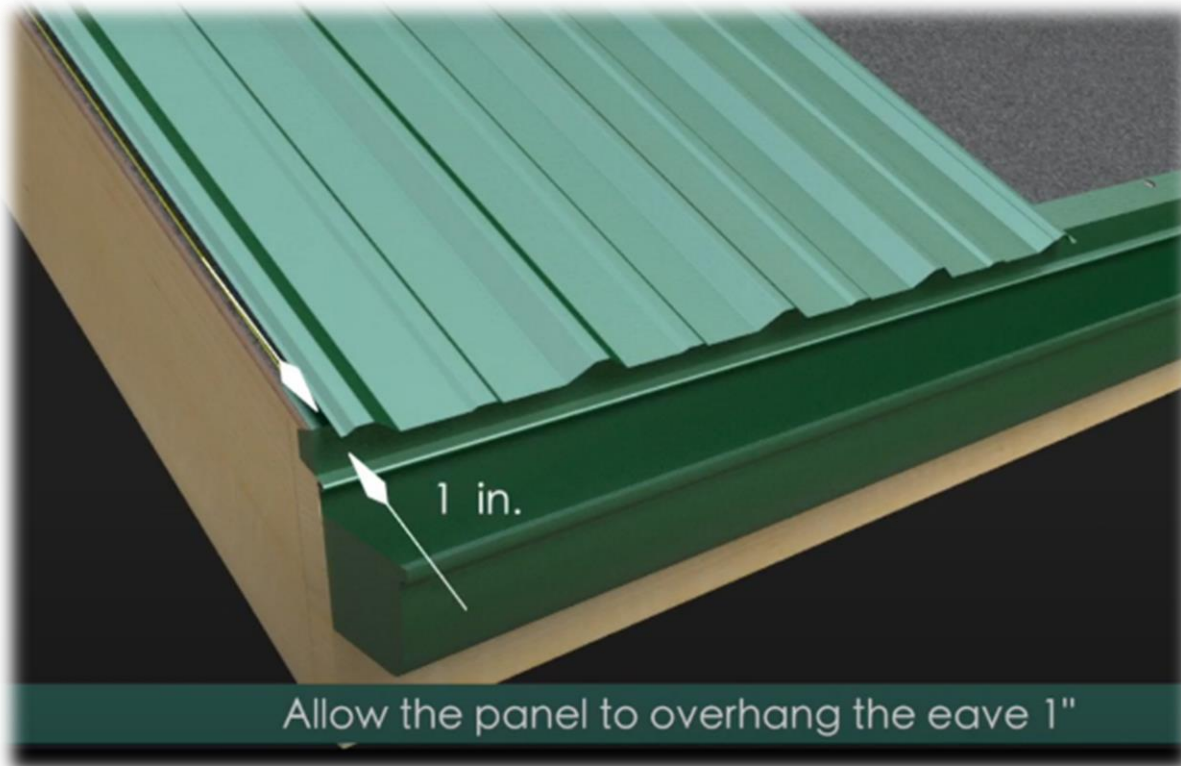


[Click here to view and download a PDF version of our Skyline Roofing Installation Guide](#)







[Click here to watch the Skyline Roofing Installation Video](#)

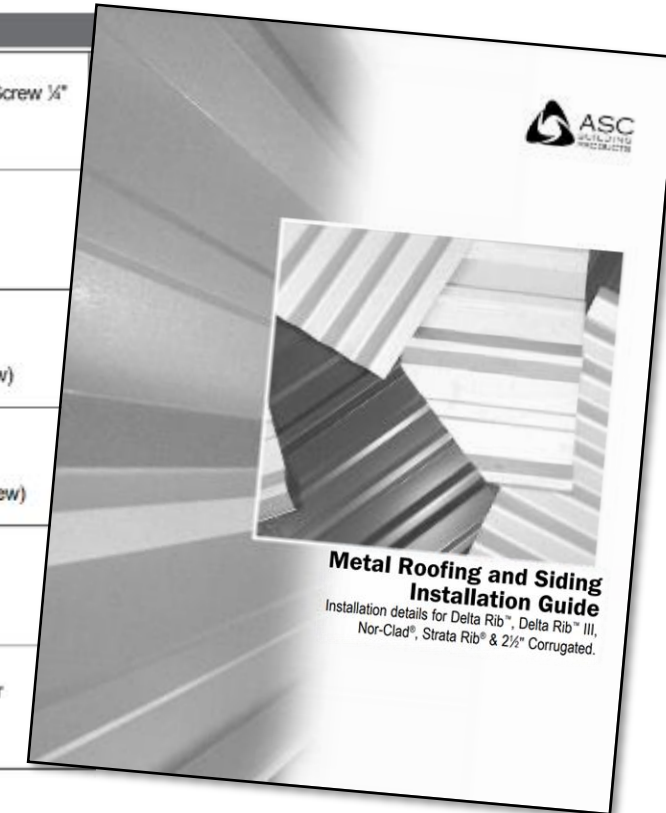
EXPOSED FASTENER INSTALLATION

Minimum slope is 3:12 pitch. Minimum 30 lb. felt required.



Fastener Selection

Fastener #	Description
	No. 9 x 1", 1½", 2", 2½", 3" Wood Screw ¼" Hex Head
	No. 14 x 1", 1½" Wood Screw ⅜" Hex Head
	No. 12 x ⅜" Stitch Screw ½" Hex Head (compatible with No. 9 Wood Screw)
	No. 14 x ⅜" Lap Self Driller ⅝" Hex Head (compatible with No. 14 Wood Screw)
	STST-42 Stainless Steel Rivet ⅜" x ⅜"
	No. 12 x 1", 1½", 2", 2½" Self Driller ⅜" Hex Head



[Click here to view and download a PDF version of our Exposed Fastener Installation Guide](#)

[Click here to watch the Exposed Fastener Installation Video](#)



8. ONLINE RESOURCES



PRODUCT VISUALIZER, COLOR FILTER & PRODUCT SAMPLES

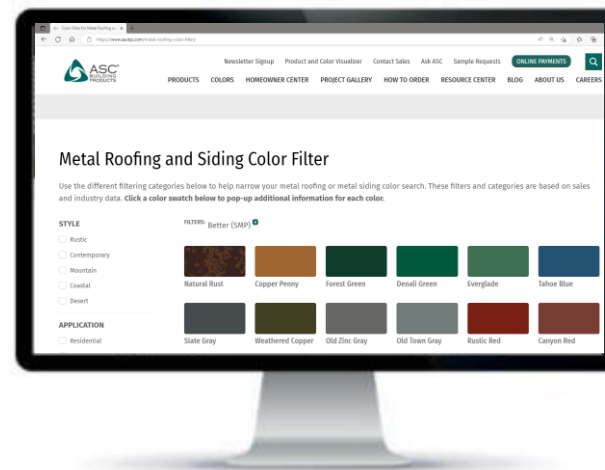
Visualize a variety of colors and metal panels while mix and matching with other building materials to achieve your desired look.

The Color Filter helps simplify your color decision by filtering colors based on a variety of categories backed by sales and industry data.

Request free product samples online and delivered to your door. Literature, Color Chips, and Panels samples are available.



[Click here to visit the Product Visualizer](#)



[Click here to try the Color Filter](#)

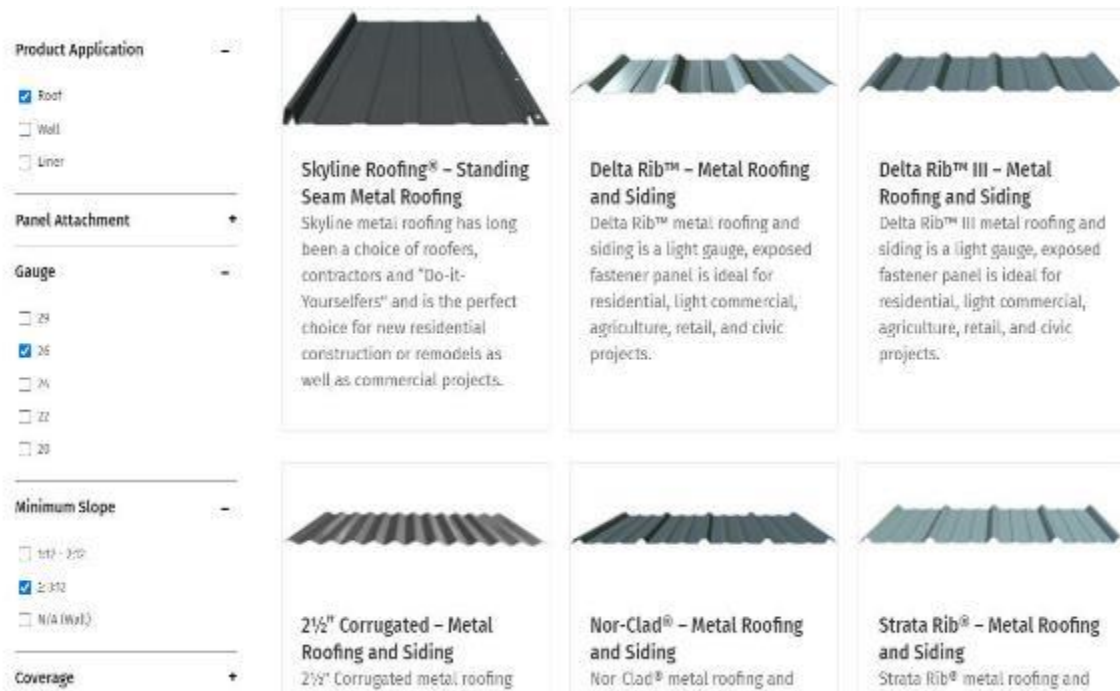


[Click here to Request Free Product Samples](#)

PRODUCT FINDER AND PROJECT GALLERY

The Product Finder helps identify the right metal roofing or siding panel for your needs. Narrow your search by gauge, application, performance and more.

View our Project Gallery to see our products and colors on completed projects. Get inspired with the versatile applications of our metal roofing and siding panels.



Product Application

- Roof
- Wall
- Liner

Panel Attachment







Gauge

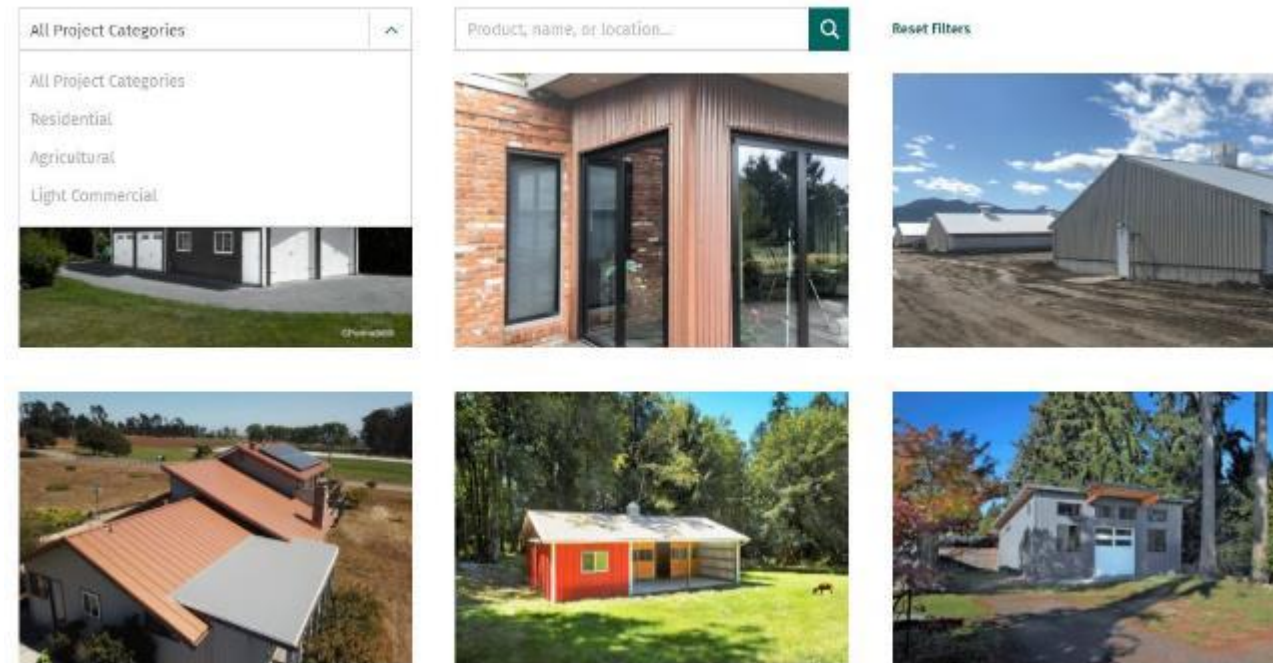
- 29
- 26
- 24
- 22
- 20

Minimum Slope

- 1:12 - 3:12
- ≥ 3:12
- N/A (WV)

Coverage

 <p>Skyline Roofing® – Standing Seam Metal Roofing Skyline metal roofing has long been a choice of roofers, contractors and "Do-It-Yourselfers" and is the perfect choice for new residential construction or remodels as well as commercial projects.</p>	 <p>Delta Rib™ – Metal Roofing and Siding Delta Rib™ metal roofing and siding is a light gauge, exposed fastener panel is ideal for residential, light commercial, agriculture, retail, and civic projects.</p>	 <p>Delta Rib™ III – Metal Roofing and Siding Delta Rib™ III metal roofing and siding is a light gauge, exposed fastener panel is ideal for residential, light commercial, agriculture, retail, and civic projects.</p>
 <p>2 1/2" Corrugated – Metal Roofing and Siding 2 1/2" Corrugated metal roofing</p>	 <p>Nor-Clad® – Metal Roofing and Siding Nor-Clad® metal roofing and</p>	 <p>Strata Rib® – Metal Roofing and Siding Strata Rib® metal roofing and</p>

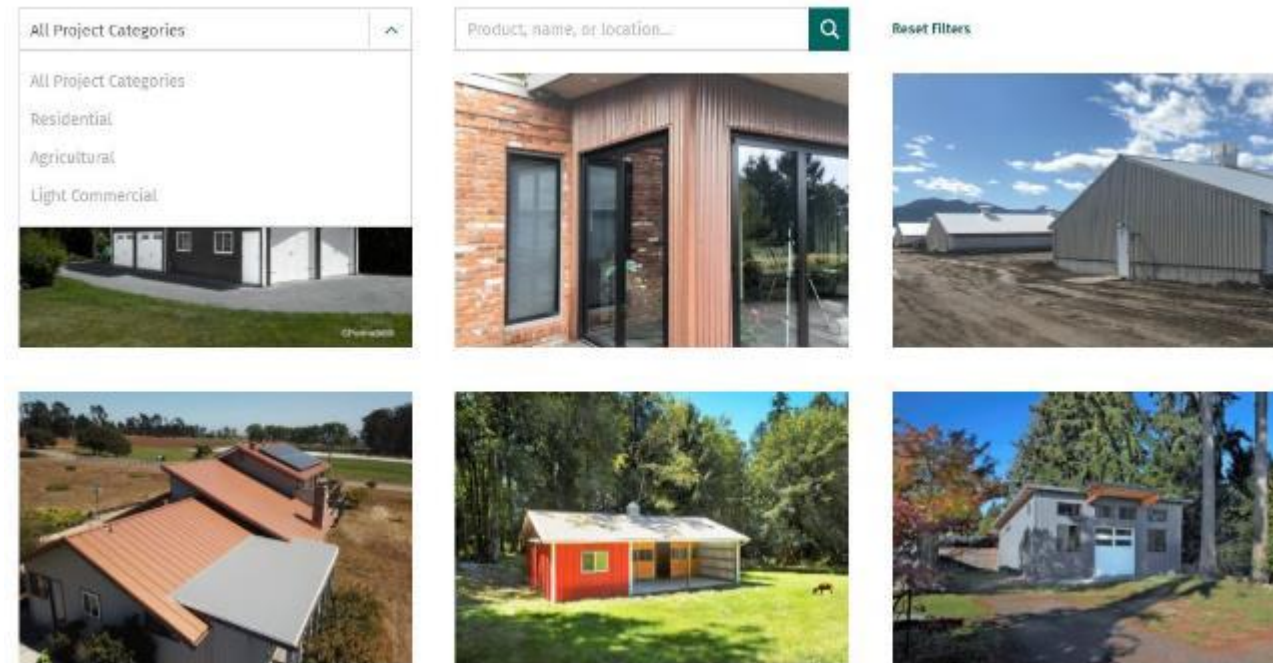


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