

PRODUCT CATALOG





Value through the Roof.

For nearly 25 years, Marco Industries has demonstrated its value-based commitment to its customers, from the products we offer to the service we provide. Put simply, it drives everything we do.

We take seriously our brand promise to customers, which is, value through the roof. By focusing on value-added solutions and services we've been able to grow the breadth of our product offering to an industry leading level.

Our product catalog contains the Marco Weather-Tite Roof System™, a comprehensive line of quality products offering easy installation, remarkable building ventilation resulting in lower energy costs and outstanding warranties. From superior material characteristics to overall product quality, convenient installation and packaging, the Weather-Tite Roof System™ focuses on the business solutions our customers' seek.

Our dedication to customer service and product excellence has resulted in Marco being awarded Rural Builders Gold Key awards year-after-year, plus multiple Top 10 Product Awards.

Your business is valued at Marco. Thank you for joining us on our continuous journey to develop and deliver value-added products and services for the Metal Roofing Industry.

Sincerely,

Blake Atkins,
President

CLOSURE

ANGLEKUT™ | CLOSURE FOAM™



Value through the Roof.

**If you want an easy-order,
superior seal beveled
closure, Anglekut's got
you covered**

What's your angle?

- Order with one simple form
- Quick turnaround
- Precision cut to precisely match panel profile/angle
- True fit, fewer gaps
- Won't bleed or dry out

Why beveled closures? Because a beveled closure's unique design creates a **superior seal** between metal roof panels that stops heavy and damaging water from getting in and around the hips and valleys of the roof.

And because Anglekut™ can be made at any angle, it will **fit any profile** and seal out wind, water, birds, and noise. That makes this product ideal for use in the construction of barns, warehouses, house roofs, and other types of metal roof structures.

Beveled closure designs make a valley or hip application **easy to install**. And you wind up with a seal as air tight as standard 90-degree closure strips.

Anglekut beveled closures are made from crosslink polyethylene foam, the same material as M-Cell closures, which means they'll **last the lifetime of the building**.

Because the product **doesn't bleed, dry out, or dissolve with weather and UV exposure**, using 1-1/2" thick foam increases the strength of the beveled closure and ensures a superior seal of the open area.

The dynamic design of these beveled closures makes it an easy replacement for materials like polyurethane strips or caulking.

Think it will be hard to order a beveled closure product? No way. Just fill out Anglekut **Easy-Order Form** on the back of

this sheet. You'll get **quick turnaround**, too!

If you want a truly superior seal beveled closure, there's only one that will make the kut. Anglekut.

ANGLEKUT
WEATHER-TITE™ SYSTEM



Anglekut™ easy order form

It's fast and easy to order Angle-Kut. Just call **1-800-800-8590** and we'll walk you through each step in minutes!

Anglekut easy
order form

Date _____ Customer P.O.# _____ Job # _____

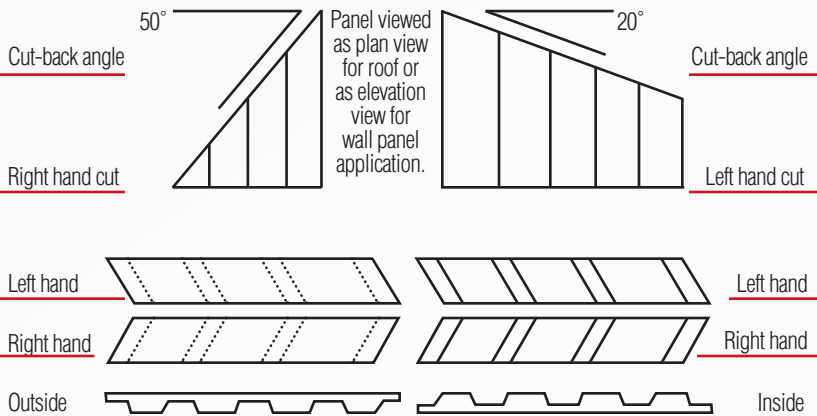
Complete the following information for each separate closure configuration and beveled angle:

1. Panel Name: _____
2. Application: End Wall _____ Hip _____ Valley _____
3. Cut-back Angle: _____
4. Roof Slope (Rise/Run) _____ / _____
5. A. Number of Panels - Inside: Left Hand _____ Right Hand _____
 Outside: Left Hand _____ Right Hand _____

OR

- B. Quantity in Lineal Ft. - Inside: Left Hand _____ Right Hand _____
 Outside: Left Hand _____ Right Hand _____

Key to order entry information:



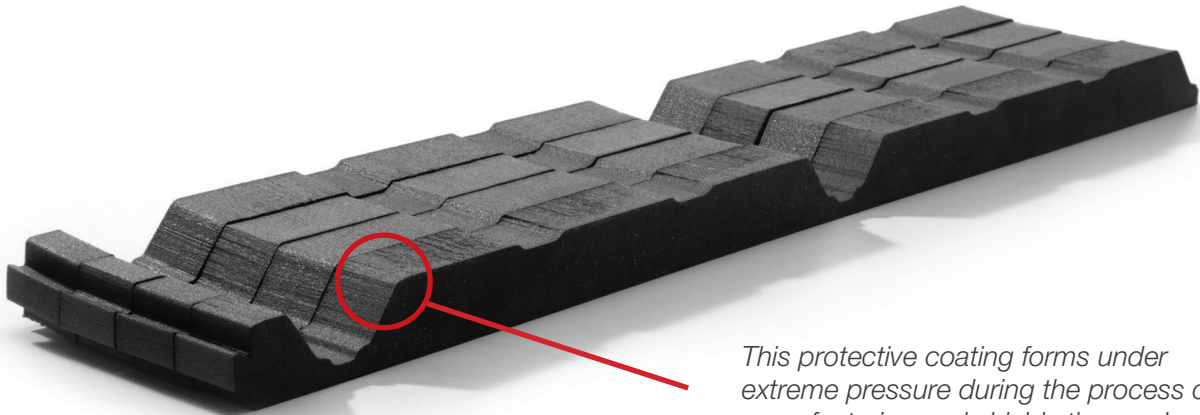
AngleKut™ represents yet another Marco Industries technological development in bringing you innovative, higher quality, and more economical products for the building industry.

To place your order: 1.800.800.8590 | marcoindustries.com | info@marco-industries.com



CLOSURE-FOAM

CUSTOM FIT FOAM CLOSURE SYSTEM



This protective coating forms under extreme pressure during the process of manufacturing and shields the product from harmful UV rays.

Closure-Foam™ comes in more than 450 standard profiles and custom sizes. Designed to stay put, Marco's M63 industrial adhesive eliminates blow away problems with a 1/4" adhesive bead applied to either the flat or the ribbed side of Closure-Foam. It even adheres in subfreezing temperatures and on wet surfaces.

Closure-Foam is most commonly used without dovetails, but is also available with interlocking dovetails

(with or without adhesive) to eliminate gaps and ensure a snug end-to-end fit. They ship pre-scraped leaving you with less job site cleanup.

Closure-Foam is economically priced without sacrificing quality. Marco's crosslink polyethylene foam has a unique coating that gives it better UV resistance and durability than the industry standard. Independent testing confirms Marco's 1.5 density foam provides better UV stability than competitive products with a 2.0 density.

- Full 1/4" bead (once installed) of adhesive applied
- Profiles for every application
- Thickness variety
- Better UV resistance/longer lasting than competition
- No excess scrap for easier cleanup

CLOSURE-FOAM™

- Value drives everything we do. That's why we developed the Marco Weather-Tite System— a comprehensive line of products that offers easy installation, remarkable building ventilation, lower utility costs, extreme durability, and outstanding warranties for your metal roof and wall systems. Get more quality, more performance and more value ... from Marco.

CLOSURE FOAM™

Specs

Nominal Density-Skin/Skin (BS ISO 7214 1998):
24 kg/m³

Cell Size, Typical Diameter: 0.3 mm

Compression Stress-Strain (BS ISO 7214 1998)

10% compression: 34 kPa

25% compression: 53 kPa

40% compression: 85 kPa

50% compression: 118 kPa

Compression Set: 25% comp, 22hr, 23° C

1/2 hr recovery (25 mm cell-cell): 27% set

24 hr recovery (25 mm cell-cell): 19% set

Tensile Strength (ISO 7214 1998): 320 kPa

Tensile Elongation: 130%

Tear Strength (BS EN ISO 8067 1995): 495 N/m

**Shore Hardness 00 Scale, 10 mm cell/
cell thickness (ISO 868 1985):** 50 00

Recommended Operating Temp. Range:
+100° C/-70° C

**Thermal Conductivity — Mean Temp of 10° C
(ISO 8302 1991):** 0.0392 W/m.K

**Flammability — Automotive (FMVSS.302-
Burn Rate):** Pass 12 mm & thicker <100mm/min

**Flammability — Horizontal Burn Rate
(ISO 7214 1998):** 5 mm thick, 2.1 mm/sec
and 13 mm thick, 1.5 mm/sec

Durometer (50): Shore 00

Water: 5% lbs/ft³

*Specs shown are LD24 value.

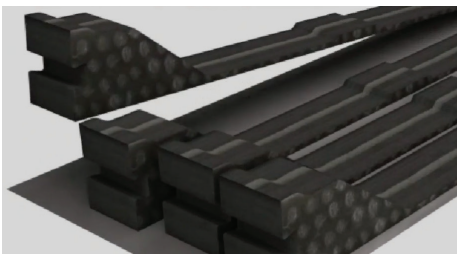


You May Also Need

- Mastix™ / Anglekut™

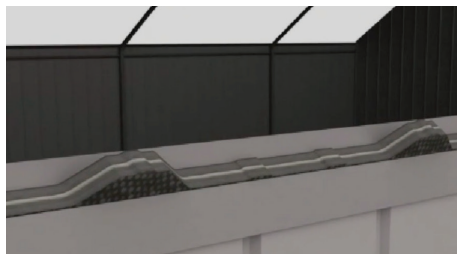
Easy Install

See our installation instructions online at MarcoIndustries.com. Closure-Foam can be installed by a single person in just three easy steps.



Step 1:

Ensure the self-adhesive closure configuration fits the roof panel used.



Step 2:

The inside Closure fits the underside of the panel.



Step 3:

Place the roof panel over pre-cut closure configuration for a snug fit. Attach panel over closure with Marco QuikGrip™ or QuikDrill™ fasteners.



Value through the Roof.

800.800.8590 / MarcoIndustries.com



Marco's Rapid Response™ delivers, faster and easier. Take advantage of free shipping with low minimum orders.

VENTILATION

FLEX-O-VENT™ | FLEXPRO™ | LP2™ RIDGE VENT



Value through the Roof.

Superior Roof Ventilation Your Way. (Because One Size Does Not Fit All.)

For products tailored to fit your specific performance requirements and budget, choose Marco. Our full line of ventilation products offers you a choice, all made from superior material that outlasts and outperforms the competitors' polyurethane-material products.

The Marco Weather-Tite™ System

Closure

Ventilation

Fasteners

Flashing

Sealants

Underlayment

Accessories



Our ventilation products feature an exclusive nonwoven polyester material that **delivers long-lasting resiliency and breathes**, to help prevent moisture **absorption** that can lead to costly rework, repairs, and high energy costs.



You may also need



Roof Boots™



Weather-Tite
Metal Roof Sealant



FLEX-O-VENT

GOOD



Our original, most economical polyester-based ventilation product.

- Won't absorb moisture, which can freeze and block all ventilation
- 2 beads of M63 Marco proprietary adhesive for superior hold
- Easy, one-person installation
- 40 year limited warranty
- ASTM testing: D1929, D737
- Available in 10' and 20' rolls and multiple packaging options



FLEX-O-VENT

Specs

Net Free Area: FOV - 1" free-standing product, NFA 23 sq. in.*

1-1/2" x 3" x 10': Rib heights up to 1-1/4"

1-1/2" x 2" x 10': Rib heights up to 1-1/4"

1" x 3" x 10': Rib heights up to 3/4"

1" x 2" x 10': Rib heights up to 3/4"

Air Permeability: >760 cubic feet per minute

Cold Cracking: -55° C (-130° F)

Tear Strength: 3.5 ppi

Tensile Strength: 16 psi – Elongation 175%

Compressive Strength: 1.8 psi at 75%

*Effective Net Free Area varies based on product height, panel profile, and installation methods.





New!

FLEXPRO

BETTER



LP2 RIDGE VENT

BEST



Marco's newest innovation: a profile-cut stick or roll product designed to fit most roof panels.

- Won't absorb moisture, which can freeze and block all ventilation
- 2 beads of M63 Marco proprietary adhesive for superior hold
- Easy, one-person installation
- 40 year limited warranty
- ASTM testing: D1929, D737
- Available in box or roll quantities

FLEXPRO™

Marco's new FlexPro offers a balanced combination of outstanding features from our superior LP2 and economical Flex-O-Vent products. Made with Marco's unique polyester fiber, FlexPro delivers durable, long-lasting performance.

Specs

Net Free Area: FlexPro Panel Fit - 1-1/8" free-standing product, NFA 26 sq. in.*

Available In: 3' stick, 20' and 50' rolls

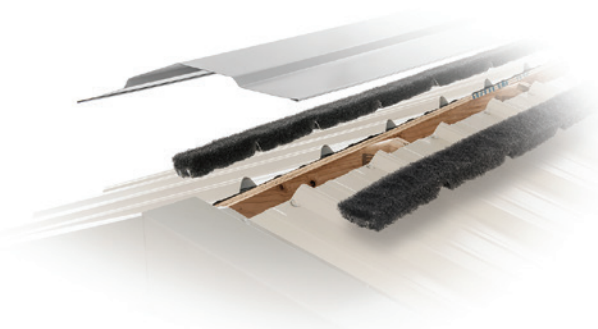
Air Permeability: >800 cubic feet per minute

Tear Strength: 3.5 ppi

Tensile Strength: 16 psi – Elongation 175%

Compressive Strength: 1.8 psi at 75%

*Effective Net Free Area varies based on product height, panel profile, and installation methods.



Our premier custom-cut vent strip includes Python™ polyester vent material inserts for a snug fit and optimum ventilation at a cost lower than traditional fans and louvers.

- Custom-cut profiles for snug fit
- Superior net-free ventilation reduces condensation
- 2 beads of M63 Marco proprietary adhesive for superior hold
- Easy, one-person installation
- Moisture and pest barrier
- 40 year limited warranty
- Non-obtrusive appearance
- Helps reduce utility costs
- ASTM testing: D1929, D737, D1294-86, D2261-83**
- Box quantity packaging



Our patented LP2 Ridge Vent is made from non-fabric-covered Python vent material. This durable, modified polyester is a non-woven, non-wicking, fiber-based matting. Its specially cut contours provide a custom, low-profile fit for any pitch and most major metal roof profiles. LP2 provides a superior net-free ventilation area that helps keep out moisture, pests and dust. Plus, LP2 can be installed by just one person in two easy steps. In fact, the screw bed and industrial strength peel-and-stick adhesive pre-applied to LP2 makes this one of the easiest installations imaginable.

Specs**

Net-Free Area: Varies with profile based on 17 square inches per linear foot of ventilation material

Dimensions: Varies with profile

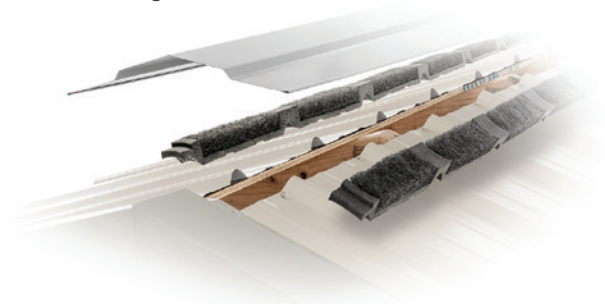
Air Permeability: >760 cubic feet per minute

Cold Cracking: -25° F

Tear Strength: Machine 25 ppi / Counter 25 ppi

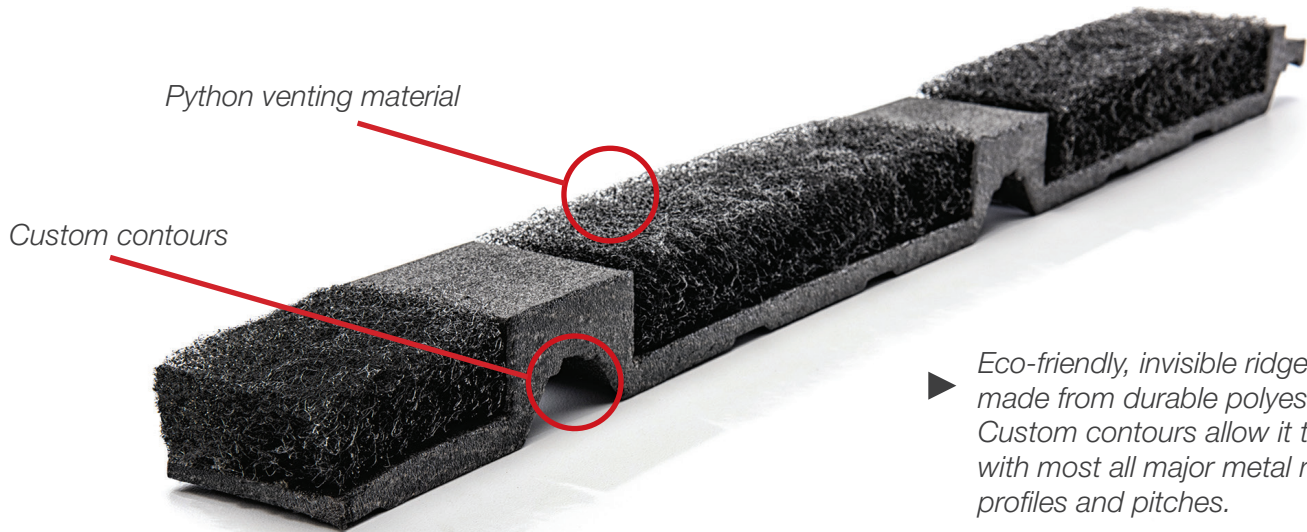
Compressive Strength: 1.8 psi at 75%

Rain: No leakage



LP2

LOW PROFILE RIDGE VENT



▶ *Eco-friendly, invisible ridge vent made from durable polyester fiber. Custom contours allow it to fit with most all major metal roofing profiles and pitches.*

Marco's patented Weather-Tite™ LP2™ Ridge Vent is made from non-fabric-covered Python™ vent material. This durable, modified polyester is a non-woven, non-wicking, fiber-based matting. Its specially cut contours provide a custom, low-profile fit for any pitch and most major metal roof profiles.

LP2 provides a superior net-free ventilation area that helps keep out moisture, pests and dust. Plus, LP2 can be installed by just one

person in three easy steps. In fact, the screw bed and industrial strength peel-and-stick adhesive pre-applied to LP2 makes this one of the easiest installations imaginable.

Our unique LP2 system improves ventilation, eliminates condensation, and is easy to install...at a cost lower than traditional fans and louvers.

- Reduces utility costs
- One-person installation
- M63 Marco proprietary adhesive, superior hold
- Superior net-free ventilation reduces condensation
- 40-year limited warranty



- Lower, custom-fit profile
- Moisture and pest barrier
- Non-obtrusive appearance

➤ FLEX-O-VENT GOOD

Our original, most economical polyester-based ventilation product.

FLEXPRO BETTER

New! A profile-cut strip or roll designed to fit most roof panels.

LP2 RIDGE VENT BEST

➤

Premier custom-cut vent strip includes Python™ polyester vent material inserts for optimum fit and ventilation.

The Marco Weather-Tite™ System

Closure

Ventilation

Fasteners

Flashing

Sealants

Underlayment

Accessories

- ▶ Value drives everything we do. That's why we developed the Marco Weather-Tite System—a comprehensive line of products that offers easy installation, remarkable building ventilation, lower utility costs, extreme durability, and outstanding warranties. Get more quality, more performance and more value ... from Marco.



Specs*

Overall

Net Free Area: Varies with profile based on 17 square inches per linear foot of ventilation material

Dimensions: Varies with profile

Air Permeability:

>760 cubic feet per minute

Cold Cracking: -25° F

Tear & Tensile Strength:

Machine 25 ppi / Counter 25 ppi

Compressive Strength: 1.8 psi at 75%

Rain: No leakage

Closure Material

Nominal Density-Skin/Skin (BS ISO 7214 1998): 24 kg/m³

Compression Stress-Strain (BS ISO 7214 1998)

10% compression: 34 kPa

25% compression: 53 kPa

40% compression: 85 kPa

50% compression: 118 kPa

Shore Hardness 00 Scale, 10 mm Cell/ Cell Thickness (ISO 868 1985): 50 00

Thermal Conductivity — Mean Temp of 10° C (ISO 8302 1991): 0.0392 W/m.K

Flammability — Automotive (FMVSS.302-Burn Rate):

Pass 12 mm & thicker <100mm/min

Flammability — Horizontal Burn Rate (ISO 7214 1998): 5 mm thick, 2.1 mm/sec and 13 mm thick, 1.5 mm/sec

Python Material

Net Free Area: Varies with profile based on 17 square inches per linear foot of ventilation material

Dimensions: Varies with profile

Cold Cracking: -25° F

Compressive Strength: 1.8 psi at 75%

Rain: No leakage

Air Permeability:

(ASTM D737) 760 cubic feet per minute

Tear & Tensile Strength: (Tear: ASTM D1294-86, Tensile: ASTM D2261-83) Machine 25 ppi / Counter 25 ppi

Self-Ignition Temperature: (ASTM D1929) 963° F

Easy Install



Step 1:

Allow a 2" slot at the ridge of the metal roof for ventilation. Apply the LP2 Ridge Vent to metal roof by removing the backing paper.



Step 2:

Align LP2 1/2"-1" up-slope from the edge of the ridge cap. Place onto metal roof with adhesive side down. Be sure LP2 Ridge Vent is in place the first time, the adhesive makes it hard to move.



Step 3:

To attach consecutive LP2 Vents, butt fit pieces together, sealing with Marco's Weather-Tite Metal Roof Sealant. Place ridge cap over LP2. Secure with Marco QuickGrip/QuickDrill fasteners through metal roof ridge locations, using screw bed locations to avoid penetrating the LP2 insert material.



Value through the Roof.

800.800.8590 / MarcoIndustries.com



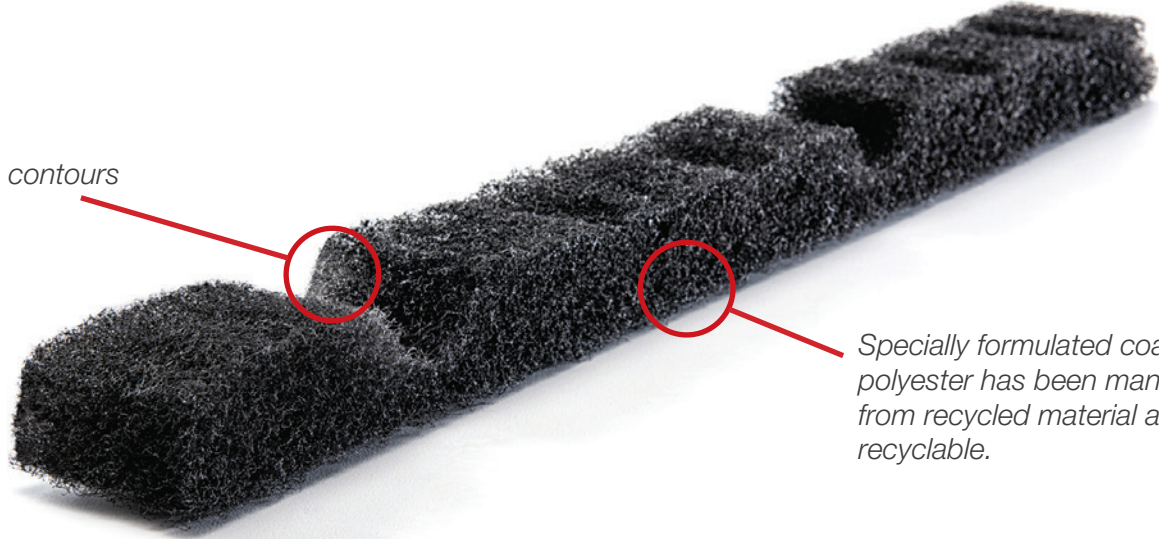
Marco's Rapid Response™ delivers, faster and easier. Take advantage of free shipping with low minimum orders.

New!

FLEXPRO

PROFILE-CUT VENTING MATERIAL

Custom contours



Specially formulated coated polyester has been manufactured from recycled material and is recyclable.

Save on energy costs while protecting your building from moisture, pests and dust with FlexPro,™ exclusively from Marco.

Part of the Marco Weather-Tite™ System and the newest addition to our line of ventilation solutions, FlexPro offers a balanced combination of outstanding features from our superior LP2™ and economical Flex-O-Vent™ products. Made with Marco's unique polyester fiber, FlexPro delivers durable, long-lasting performance.

FlexPro's polyester nonwoven material outlasts and outperforms competitors' polyurethane products. Unlike polyurethanes that absorb moisture, can freeze and block ventilation, FlexPro is made to perform in all seasons and is backed by Marco's 40-year limited product warranty.

- Effective rib-cut profile fits most metal roofs
- High density ensures quick, full material recovery after installation
- Easy, one-person installation

- Eliminates condensation and prevents moisture, pest and dust from entering the structure
- Reduces utility bills through added attic ventilation
- Low profile design offers non-obtrusive appearance
- 2 beads of M63 Marco proprietary adhesive for superior hold
- Available in box or roll quantities

FLEXPRO™

➤ **FLEX-O-VENT**
GOOD

Our original, most economical polyester-based ventilation product.

FLEXPRO
BETTER

New! A profile-cut strip or roll designed to fit most roof panels.

LP2 RIDGE VENT
BEST

Premier custom-cut vent strip includes Python™ polyester vent material inserts for optimum fit and ventilation.

The Marco Weather-Tite™ System

Closure

Ventilation

Fasteners

Flashing

Sealants

Underlayment

Accessories

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FLEXPRO™



Marco's proprietary M63 continuous double-bead adhesive is key to quick, easy FlexPro installation.

Specs

Net Free Area: FlexPro Panel Fit - 1-1/8" free-standing product, NFA 26 sq. in.*

Available In: 3' stick, 20' and 50' rolls

Air Permeability: >800 cubic feet per minute

Tear Strength: 3.5 ppi

Tensile Strength: 16 psi – Elongation 175%

Compressive Strength: 1.8 psi at 75%

ASTM Testing: D1929, D737

*Effective Net Free Area varies based on product height, panel profile, and installation methods.



40
YEAR
WARRANTY



You May Also Need

- ▶ Roof Boots™ / Weather-Tite Metal Roof Sealant

Easy Install

See our installation instructions online at MarcoIndustries.com. To install FlexPro, simply peel and stick the product to the metal roof, careful to match the custom-cut contours to roof ridges. Next put the ridge cap in place and fasten down-slope from the FlexPro product (shown below):



Step 1:

FlexPro comes in various panel configurations, roll and stick package options. Apply the FlexPro Ridge Vent to metal roof by removing the backing paper.



Step 2:

Align the FlexPro Ridge Vent 1/2"-1" up-slope from the edge of the ridge cap. Place onto metal roof with adhesive side down. *Note that the adhesive is strong and once put in place it will be hard to move. Be sure the FlexPro Ridge Vent is in place the first time.*



Step 3:

When attaching consecutive FlexPro Vents, butt fit the pieces together. Marco Weather-Tite Metal Roof Sealant can be used to seal the butt joint. Place ridge cap over FlexPro. Secure in place with Marco QuickGrip/QuickDrill fasteners; fasten through the metal roof ridge locations, avoiding penetrating the FlexPro material, using a min. 3300 rpm screw gun.



Value through the Roof.

800.800.8590 / MarcoIndustries.com



Marco's Rapid Response™ delivers, faster and easier. Take advantage of free shipping with low minimum orders.

FLEX-O-VENT

UNIVERSAL VENTING MATERIAL

Specially formulated coated polyester has been manufactured from recycled material and is recyclable.



Marco's Flex-O-Vent™ Universal Venting Material vents, protects and lasts like no other.

While polyurethane products constantly expand (as they soak up water) and contract (as they dry out) causing them to disintegrate and fail, Flex-O-Vent offers 40 years of Weather-Tite performance. Its specially formulated polyester, manufactured from recycled material, prevents moisture absorption and

holds together to help keep out pests. Flex-O-Vent is also extremely durable, flame-resistant, clog-resistant, and tear-resistant.

Flex-O-Vent is not only an economical choice, it's a long-term solution that provides plenty of cooling air flow, which is vital to meet building codes, reduce utility costs, and minimize long-term building damage caused by improper ventilation.

- Won't absorb moisture, which can freeze and block all ventilation
- M63 Marco proprietary adhesive for superior hold
- Easy, one-person installation
- 40-year limited warranty
- ASTM testing: D1929, D737
- Available in 10' and 20' rolls and multiple packaging options



FLEX-O-VENT

GOOD

Our original, most economical polyester-based ventilation product.

FLEXPRO

BETTER

New! A profile-cut strip or roll designed to fit most roof panels.

LP2 RIDGE VENT

BEST

Premier custom-cut vent strip includes Python™ polyester vent material inserts for optimum fit and ventilation.

The Marco Weather-Tite™ System

Closure

Ventilation

Fasteners

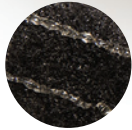
Flashing

Sealants

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Marco's proprietary M63 continuous double-bead adhesive is key to quick, easy Flex-O-Vent installation.

Specs

Net Free Area: FOV - 1" free-standing product, NFA 23 sq. in.*

1- 1/2" x 3" x 10': Rib heights up to 1-1/4"

1- 1/2" x 2" x 10': Rib heights up to 1-1/4"

1" x 3" x 10': Rib heights up to 3/4"

1" x 2" x 10': Rib heights up to 3/4"

Air Permeability: >760 cubic feet per minute

Cold Cracking: -55° C (-130° F)

Tear Strength: 3.5 ppi

Tensile Strength: 16 psi – Elongation 175%

Compressive Strength: 1.8 psi at 75%

Abrasion: No Damage

*Effective Net Free Area varies based on product height, panel profile, and installation methods.



You May Also Need

- Roof Boots™ / Weather-Tite Metal Roof Sealant

Easy Install

See our installation instructions online at MarcoIndustries.com. With Flex-O-Vent, one size fits most panels.

Installation is a simple three-step process easily handled by one installer. Flex-O-Vent comes in easy-to-handle 10-foot rolls (mirroring most ridge cap lengths) or larger 20-foot rolls if you prefer. It is easily cut with scissors or utility knife and a double bead of M63 adhesive holds Flex-O-Vent securely in place until the ridge cap is installed.



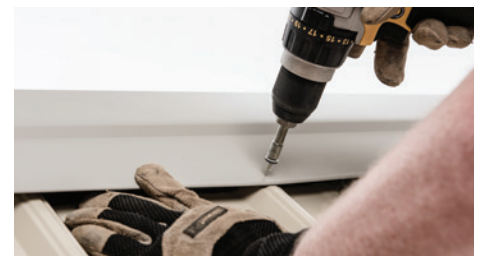
Step 1:

Make sure panel is free of dust and debris. If not pre-cut, cut 2" slot at ridge. Measure and mark where the ridge cap will sit on the panel.



Step 2:

Start from the end of the ridge, rolling out Flex-O-Vent along the length of the ridge (both sides), making sure the vent sits "up-slope" from the edge of the ridge cap.



Step 3:

Apply ridge cap, compressing material between the ridge cap and major rib. Fasten at the major rib using a screw gun set to at least 2700 rpm.



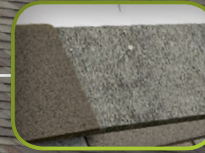
Value through the Roof.

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PROTECT YOUR ROOF FROM MOISTURE WITH HYDRASHELL 50 SYNTHETIC, ANTI-SUP UNDERLAYMENT



EXHAUST WITH PYTHON AT THE RIDGE CAP



INTAKE WITH PYTHON AT FASCIA

ENERGY-SAVING, HEAT-RELEASING VENTILATION SYSTEM

[Fifty year limited warranty]

- **Easy to handle & install** - It's light, flexible and there's no difficulty fitting or wrapping.
- **No fabric wrap, no external baffle** - Nothing to cause clogging, deterioration, or dirt and snow trapping. Yet, Python helps keep out insects, dust, and moisture.
- **Made from more than 90% recycled plastic** - material (more than 30% post consumer content). And since Python can help draw cool air into the attic and hot air out in summer, it can help reduce utility costs.



- **Strong and durable** - Python is non-woven, non-wicking and resists damage from ice, hail, and other weather, which means fewer warping and loosening problems.
- **Economical** - Python's flexibility means there's no shipping or installation crack or dent damage. There's no waste with Python—you can use every piece. And its durability means it lasts for a long time.



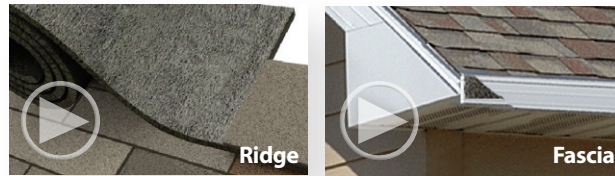
A green product for today's building projects.

MARCO VENTILATION SYSTEM

Python



See our installation videos online at MarcoIndustries.com



Easy to handle and install.

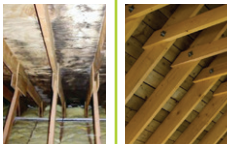
MIAMI-DADE COUNTY
APPROVED

NOA NO. 10-1109.03*

Easily installed without special tools. Joints can be simply cut square, butted and caulked without connectors or fables. Won't dent, crack, or rust, and has no sharp edges. Is flexible, easy-to-handle and transport, and conforms to any roof pitch from 2/12 to 20/12. Must be installed with soffit vents to meet HVI recommendations. Air flow is unrestricted by any fabric covering.

NON-VENTING WITH PYTHON

Non-wicking Python keeps mold from growing



Python helps prevent paint peeling and shingle buckling



Python helps keep wood rotting moisture out



Year-round, Python creates a barrier to keep insects and dust out

Net Free Area for 3/4": 18 sq. in. per lin. ft.
Net Free Area for 1": 19.4 sq. in. per lin. ft.

Composition and Materials: UV stable, polyester composite. **Maintenance:** Properly installed, is maintenance-free. **Color:** Dark Grey.



Part	Size	Pkgs per pallet	Pkgs per truck
3/4" x 8" x 20'	PY-348000-20N with nails	45	2340
3/4" x 10.5" x 20'	PY-341050-20N with nails	36	1872
3/4" x 11.75" x 20'	PY-341175-20N with nails	36	1872

Fascia Vent sizes: 1" x 3" x 50' or 1.5" x 3" x 50'

Typical Physical Properties

Python must be installed on roofs with a minimum of 3/12 pitch (14°)

Air Permeability.....ASTM D737.....	760 cu. ft. per minute
Tear and Tensile Strength.....ASTM D1294-86.....	Tear: Machine 25 p.p.i. Counter 25 p.p.i.
ASTM D2261-83.....	Tensile: Machine 25 p.p.i. Counter 25 p.p.i.
Self-Ignition Temperature.....ASTM D1929.....	963° F.
Cold Crack Resistance.....GLIT C115.....	-25° F.
Snow Infiltration.....CRL 5704.....	-0-



Marco Weather-Tite®
System Advantage

With Marco's Rapid Response™ get more of what you need faster and easier. At Marco - we're big on customer service and small on hassle. Build it smart.

MarcoIndustries.com

1.800.800.8590

Codes: When properly designed and installed with soffit or eave vents meets the net free area requirements of national building codes including CABO, BOCA, SBCCI and ICBO, and meets the requirements of FHA and the U.S. Department of Housing and Urban Development.

*11 3/4" material



FASTENERS

QUIKDRILL™ | QUIKGRIP™ | CLIPSCREWS™



METAL-TO-METAL FASTENERS

QUIKDRILL™

METAL2METAL | METAL2METAL HD



Value through the Roof.

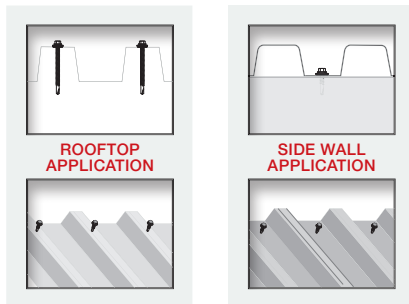
Reliable Self-Drilling Performance. Superior Marco Value.

Value drives everything we do. That's why our exclusive Weather-Tite™ System includes a full line of dependable QuikDrill™ Metal-To-Metal self-drilling fasteners for attaching metal roofs, sidewalls, and other metal panels with superior Marco performance. In fact, independent lab testing confirms Marco fasteners stand up to salt spray longer than other leading fasteners, giving you peace of mind for years to come.

QuikDrill Fastener Features

- Higher crown for a better, tighter socket fit and quick installation
- Cupped head and HWH for improved pullover strength
- EPDM washer for a tight, sealed fit, standard
- Drill design that provides quick penetration and prevents point walking
- Durable 1 mil mechanical or 8 micron electroplating delivers exceptional lubricity, wear resistance and excellent durability

Recommended Installation



Installation Tips

Always choose the appropriate fastener for the thickness and type of material to be drilled for any given application. To ensure optimum fastening performance, a 1900 to 2500 RPM screw gun rated 6 amps or more and fitted with a properly adjusted depth-locating nosepiece should be used. Sufficient pressure must be applied while screw gun is perpendicular to the working area. Overdriving fasteners can lead to leaks and other problems.



A lobe socket grips the fastener on 6 sides to prevent paint chipping which leads to rust. The nosepiece of the drill needs to be set to the correct height for proper washer installation.

CORRECT



INCORRECT



Drive fastener level to metal surface.

The Marco
Weather-Tite™
System

Closure

Ventilation

Fasteners

Flashing

Sealants

Underlayment

Accessories

Going The Extra Mile. That's Value Through The Roof.

At Marco, we built our reputation on quality products and above-and-beyond service. Our specialty fasteners are a good example. To meet customer needs, we carry a variety of specialty fasteners that stand up to our stringent quality standards and performance measures. These include, but are not limited to the following:



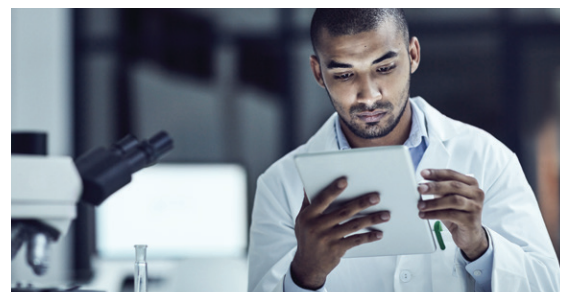
- Zinc Alloy and Stainless Steel capped fasteners used throughout the industry when a 40-year application is desired.



- Marco's P2M, ideal for plywood-to-metal applications where either a #3 or #4 point is required for a clean cut. This winged fastener reams a hole in the wood to prevent the threads from engaging as you drill. When the fastener hits metal, the wings break off and threads engage the metal for a fast application and strong hold.

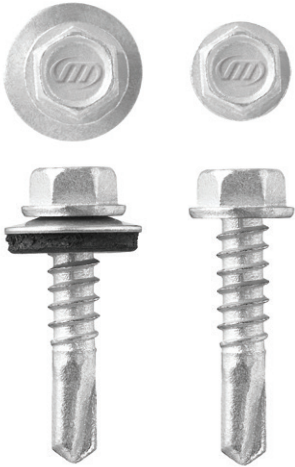
But at Marco, we'll go even further. If you need a different specialty fastener, call us. We'll go out of our way to provide a product that will meet your unique needs and pass our thorough testing and quality reviews. That's what Marco value is all about.

To ensure our superior performance standards are upheld, we subject products to internal and independent testing and quality reviews, often far beyond industry standards. ▶



QuikDrill Metal2Metal

These self-drilling screws are ideal for light-to-medium gauge metal-to-metal building applications. Our QuikDrill Metal2Metal drill points are designed to penetrate a wide variety of metal thicknesses. QuikDrill #2 and #3 points utilize a chisel flute that speeds up drilling time and eliminates point walking. The #10, #12 and #14 HWH are available with or without a bonded sealing washer.



	Size	Head	Carton Qty	Weight/M
*	10 - 16 x 1/2"	5/16" HWH	10000	5.0
*	10 - 16 x 5/8"	5/16" HWH	10000	5.7
	10 - 16 x 3/4"	5/16" HWH	5000	6.3
	10 - 16 x 1"	5/16" HWH	5000	7.6
	12 - 14 x 3/4"	5/16" HWH	2500	8.4
	12 - 14 x 1"	5/16" HWH	2500	10.0
	12 - 14 x 1-1/4"	5/16" HWH	2500	11.8
	12 - 14 x 1-1/2"	5/16" HWH	2500	13.3
	12 - 14 x 2"	5/16" HWH	2000	16.7
	12 - 14 x 2-1/2"	5/16" HWH	1500	21.4
	12 - 14 x 3"	5/16" HWH	1000	25.0
	12 - 14 x 4"	5/16" HWH	500	30.3
	1/4 - 14 x 7/8" stitch	5/16" HWH	2500	13.0
	14 - 14 x 3/4"	3/8" HWH	2500	12.5
	1/4 - 14 x 1"	3/8" HWH	2500	15.2
	1/4 - 14 x 1-1/4"	3/8" HWH	2000	17.5
	1/4 - 14 x 1-1/2"	3/8" HWH	2000	19.6
	1/4 - 14 x 2"	3/8" HWH	1500	23.8
	1/4 - 14 x 2-1/2"	3/8" HWH	1500	30.0
	1/4 - 14 x 3"	3/8" HWH	1000	33.2
	1/4 - 14 x 4"	3/8" HWH	500	41.9
	1/4 - 14 x 5"	3/8" HWH	500	50.7
	1/4 - 14 x 6"	3/8" HWH	500	53.0
	12 - 14 x 3/4"	5/16" CHWH	2500	11.8
	12 - 14 x 1"	5/16" CHWH	2500	12.5
	12 - 14 x 1-1/4"	5/16" CHWH	2500	14.1
	12 - 14 x 1-1/2"	5/16" CHWH	2000	15.9
	12 - 14 x 2"	5/16" CHWH	1500	21.3
	1/4 - 14 x 7/8" stitch	5/16" CHWH	2500	13.0

**Not sold with sealing washer.*

WASHER SIZES		
#10	12mm	OD
#12	14mm	OD
#14	15mm	OD

WASHER SIZE STITCH		
#14	14mm	OD

DRILLING CAPACITY	
10 - 16 #2	.035 - .110
10 - 16 #3	.035 - .176
12 - 24 #2.5	.050 - .210
1/4 - 14 #3	.060 - .220

Point Diameter	Drill Point	Major Diameter	Minor Diameter	Head Across Flat	Washer Face Diameter
#10	#2	.189 / .183	.141 / .135	.312 / .305	.398 / .432
#12	#2.5	.215 / .209	.164 / .157	.312 / .305	.398 / .432
#14	#3	.246 / .240	.192 / .185	.375 / .367	.398 / .432
#1/4" stitch	#1	.246 / .240	.192 / .185	.305 / .312	.398 / .432

PULL OUT STRENGTH (LBS ULT)

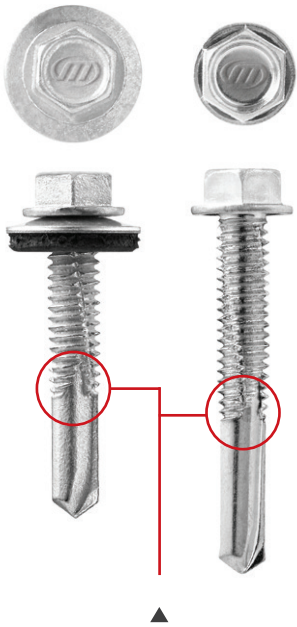
Designation	MATERIAL							
	HRS Primed Only				G-90 Galvanized			
Nom. Gauge	16	14	12	22	18	16	14	12
Thickness	.065	.070	.106	.031	.047	.060	.072	.101
#10	580	922	1405	211	473	680	890	580
#12	423	783	1223	238	438	584	764	1163
1/4"	524	850	1424	218	420	603	742	1221

PULL OVER STRENGTH (LBS ULT)

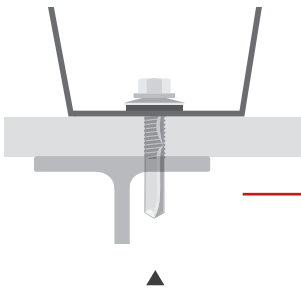
Designation	MATERIAL			
	AZ55 Galvanized			
Nom. Gauge	26	24	22	20
Thickness	.019	.024	.032	.038
#10 with 12mm Washer	800	1167	1144	1688
#12 with 14mm Washer	680	888	1273	1681
1/4" with 15mm Washer	935	1132	1312	2015

QuikDrill Metal2Metal HD

QuikDrill Metal2Metal Heavy Duty self-drilling fasteners are designed for drilling .250 to .500 steel thickness in heavy gauge applications. Assembled with optional galvanized, bonded EPDM washers, they are ideal for applications including securing metal decks to structural steel, awnings, canopies, bar joists, and retrofit clips. To penetrate steel thickness up to .5", use fastener lengths over 1-1/4". To drill up to .25", choose 12-24 x 7/8".



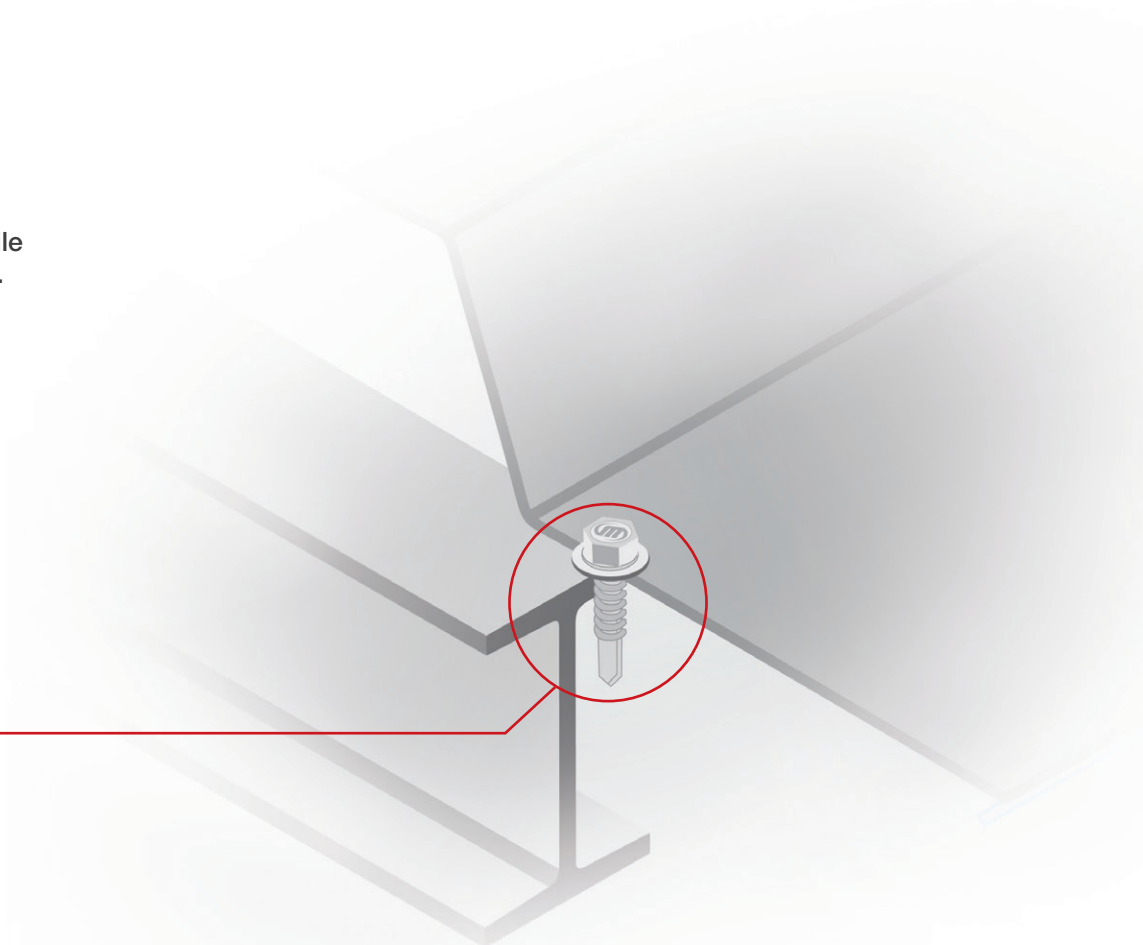
A slotted shank helps the thread cut into substrate, while fluting removes small chips.



Drilling Capacity
#5 .125 - .500

	Size	Head	Drill Point	Carton Qty	Weight/M
*	12 - 24 x 7/8"	5/16" HWH	#4	2500	12.0
	12 - 24 x 1-1/4"	5/16" HWH	#5	2500	12.6
	12 - 24 x 1-1/2"	5/16" HWH	#5	2000	16.2
	12 - 24 x 2"	5/16" HWH	#5	1500	22.1
*	1/4" - 20 x 3"	3/8" HWH	#5	1000	29.5
*	1/4" - 20 x 4"	3/8" HWH	#5	500	36.0
*	1/4" - 20 x 5"	3/8" HWH	#5	500	43.6
*	1/4" - 20 x 6"	3/8" HWH	#5	500	51.9

**Note non standard inventory, available upon request.*



WASHER SIZES

#12	14mm	OD
#14	15mm	OD

DRILLING CAPACITY

#4	.125 - .250
#5	.125 - .500

Diameter	Drill Point	Major Diameter	Minor Diameter	Washer Face DIA
#12 - 24	#4, #5	.215 / .209	.164 REF	.432 / .398
1/4" - 20	#5	.241 / .250	.192 REF	.520 / .480

Diameter	Head Across	Nominal Tensile	Minimum Torsional	Nominal Shear
#12 - 24	.311 / .305	3729 LBS	150 IN-LBS	2542 LBS
1/4" - 20	.375 / .367	4442 LBS	205 IN-LBS	3367 LBS

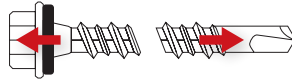
PULL OUT STRENGTH (LBS ULT)

MATERIAL				
Designation	HRS Primed Only			
Nom. Gauge	14	12	3/16	1/4
Thickness	.070	.106	.187	.250
#12 - 24 HD	695	1264	2347	3816

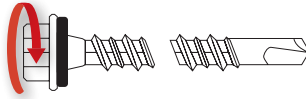
PULL OVER STRENGTH (LBS ULT)

MATERIAL			
Designation	AZ55 Galvanized		
Nom. Gauge	26	24	22
Thickness	.019	.024	.032
#12 - 24 HD	755	1164	1304

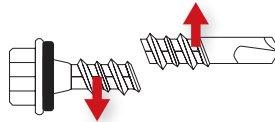
Fastener Terms



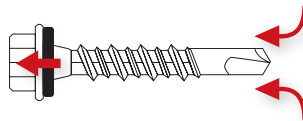
Tension Strength: The point at which a fastener fails under a load exerted in two direct and opposite directions. Fastener tension is created when a fastener elongates during tightening, producing the clamp load that prevents movement between joint members. Such movement is arguably the most common cause of structural joint failures.



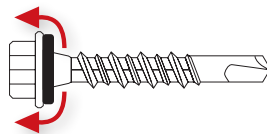
Torsion Strength: With Torsion testing, we are able to simulate real life service conditions, check product quality, and ensure proper manufacturing techniques. Torsion tests are performed by applying rotational forces or by applying both compression and rotational forces. Types of torsion testing vary from product to product but can usually be classified as failure, proof, or product operation testing.



Shear Strength: Shear is accomplished by exerting shear force (pressure) in the crosswise surface of the fastener until shear failure occurs. Shear force causes the two adjacent portions of the fastener to slide in opposite directions parallel to their contact surface.



Pullout Performance: Pullout is the capacity of a fastener's thread connection with a particular medium to remain intact and resist being pulled out of the medium.



Pullover Performance: Pullover performance relates to the capacity of a fastener to resist the pulling of the fastened sheet material over the head of the fastener. The resistance to pullover is related to the strength and diameter of the fastener washer as well as the strength and thickness of the metal panel used.

Visit MarcoIndustries.com to see our Fastener Selection Guide.



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Marco's Rapid Response™ delivers, faster and easier. Take advantage of free shipping with low minimum orders.

METAL-TO-WOOD FASTENERS

QUIKGRIP™ ULTRA PRO 20

METAL2WOOD | METAL2WOOD HD



Ultra Pro 20. Huge Selection. Marco Quality. 20 Year Limited Warranty

Value drives everything we do. That's why our exclusive Weather-Tite™ System offers everything you need for superior metal cladding installation, right down to the fasteners that hold it all together. The proprietary heat cured alloy coating that is applied to the entire surface of the fasteners offers maximum adhesion and corrosion resistance. The Ultra Pro 20 has a hybrid polymer coating applied to the fastener by means of a dip/spin/cure process that is applied in multiple coats to a prescribed film thickness. An independent lab testing confirms Marco fasteners stand up to salt spray longer than other leading fasteners. Marco's QuickGrip Ultra Pro 20 is now backed by a 20 year limited warranty. Get the quality, performance and value you need all from one source: Marco.

Get The Color You Want, With The Performance You Need.

More standard colors. All with a premium paint finish that bends and bounces back under stress without the cracking, flaking, or chipping you can get with powder coating. That's the exclusive Ultra Pro 20 system from Marco. If you want superior performance and a wide variety of durable colors to match, don't settle for anything less.

Color chart available upon request at marcoindustries.com/color.



Marco



Powder Coat

Typical powder coating paint processes can end up cracking, flaking, chipping, and disintegrating under pressure.

The Marco
Weather-Tite™
System

Closure

Ventilation

Fasteners

Flashing

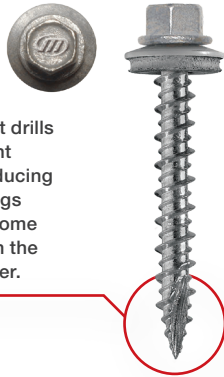
Sealants

Underlayment

Accessories

QuikGrip Metal2Wood

Our Metal2Wood fastener is designed to attach steel roofing and siding used in post-frame and residential metal roofing applications. A high-hex washer head provides driving stability, Hi-Lo threads deliver superior holding strength, and the Type 17 point makes installation quick. High-quality mechanical zinc plating provides extended corrosion resistance while a bonded seal washer creates a truly Weather-Tite seal – even when driven at an angle.



Type 17 point drills with no “point walking,” reducing metal shavings that can become embedded in the rubber washer.

WASHER SIZES	
#10 HiLo	
ID	OD
.214"	.472"

Size	Head	Carton Qty	Weight/M
10 x 1"	1/4" HWH	2500	8.250
10 x 1-1/2"	1/4" HWH	2500	10.321
10 x 2"	1/4" HWH	2000	12.495
10 x 2-1/2"	1/4" HWH	1500	15.068
10 x 3"	1/4" HWH	1000	16.867
12 x 3/4" stitch	1/4" HWH	2500	10.587
12 x 1"	1/4" HWH	2500	10.5
12 x 1-1/2"	1/4" HWH	2500	13.9
12 x 2"	1/4" HWH	2000	16.5
12 x 2-1/2"	1/4" HWH	1500	20.6
12 x 3"	1/4" HWH	1000	24.7

Point Diameter	Major Diameter	Minor Diameter	Head Across Flat
#10 25° Type 17	.191 / .199	.127 / .133	.246 / .251
#12 25° Type 17	.220 / .230	.152 / .159	.246 / .251

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
#10 25° Type 17	2440 LBS	60 IN-LBS	1575 LBS
#12 25° Type 17	3561 LBS	95 IN-LBS	2503 LBS

PULL OUT STRENGTH (LBS ULT)

	SUBSTRATES										
	Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir	
	3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"
#10	657	436	341	230	713	1741	676	1074	1895	694	795
#12	643	500	393	393	735	969	565	1017	-	-	-

PULL OVER STRENGTH (LBS ULT)

Designation	MATERIAL		
	AZ55 Galvalume		
Nom. Gauge	29	26	24
Thickness	.015	.019	.024
#10 x .472	379	630	723

QuikGrip Metal2Wood HD

This is your heavy-duty fastener designed to withstand the stresses of demanding applications. EPDM rubber is bonded to the steel washer to prevent delaminating, forming a superior seal – even when driven at an angle. The 5/16" HWH with bonded sealing washer covers the existing hole completely, creating a watertight seal, even if stretched out by movement of the metal roof. And like our standard Metal2Wood fastener, mechanical zinc plating provides extended corrosion resistance.



Size	Head	Carton Qty	Weight/M
14 x 1"	5/16" HWH	2500	8.250
14 x 1-1/2"	5/16" HWH	2000	10.321
14 x 2"	5/16" HWH	1500	12.495

WASHER SIZES	
#10 HiLo	
ID	OD
.275"	.590"

Point Diameter	Major Diameter	Minor Diameter	Head Across Flat
30° Type 17	.248 / .254	.178 / .185	.305 / .312

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
30° Type 17	4272 LBS	150 IN-LBS	2995 LBS

PULL OUT STRENGTH (LBS ULT)

SUBSTRATES											
Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir		
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"	
858	420	436	300	832	1620	774	1387	-	1014	1579	

PULL OVER STRENGTH (LBS ULT)

MATERIAL					
Designation	AZ55 Galvalume				G-90 Galvanized
Nom. Gauge	29	26	24	22	20
Thickness	.015	.019	.024	.032	.038
14mm x .590	759	696	1190	1310	1585



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METAL-TO-WOOD FASTENERS

QUIKGRIP™

METAL2WOOD | METAL2WOOD HD | METAL2WOOD XD | LOPRO™ | 300SS



Value through the Roof.

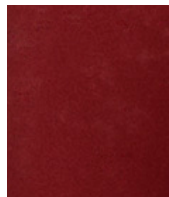
Proven Performance. Huge Selection. Marco Quality.

Value drives everything we do. That's why our exclusive Weather-Tite™ System offers everything you need for superior metal cladding installation, right down to the fasteners that hold it all together. Like all our products, Marco fasteners live up to our industry-leading focus on quality and performance. Independent lab testing confirms Marco fasteners stand up to salt spray longer than other leading fasteners, giving you peace of mind for years to come. Get the quality, performance and value you need all from one source: Marco.

Get The Color You Want, With The Performance You Need.

More standard colors. Optional custom colors. All with a premium paint finish that bends and bounces back under stress without the cracking, flaking, or chipping you can get with powder coating. That's the exclusive MatchTech™ system from Marco. If you want superior performance and a wide variety of durable colors to match, don't settle for anything less.

Color chart available upon request at marcoindustries.com/color.



Marco



Powder Coat

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The Marco Weather-Tite™ System

Closure

Ventilation

Fasteners

Flashing

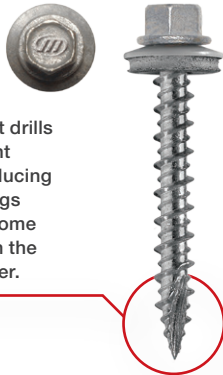
Sealants

Underlayment

Accessories

QuikGrip Metal2Wood

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Type 17 point drills with no “point walking,” reducing metal shavings that can become embedded in the rubber washer.

WASHER SIZES	
#10 HiLo	
ID	OD
.214"	.472"

Size	Head	Carton Qty	Weight/M
10 x 1"	1/4" HWH	2500	8.250
10 x 1-1/2"	1/4" HWH	2500	10.321
10 x 2"	1/4" HWH	2000	12.495
10 x 2-1/2"	1/4" HWH	1500	15.068
10 x 3"	1/4" HWH	1000	16.867
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12 x 3"	1/4" HWH	1000	24.7

Point Diameter	Major Diameter	Minor Diameter	Head Across Flat
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#12 25° Type 17	.220 / .230	.152 / .159	.246 / .251

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
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#12 25° Type 17	3561 LBS	95 IN-LBS	2503 LBS

PULL OUT STRENGTH (LBS ULT)

SUBSTRATES											
	Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir	
	3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"
#10	657	436	341	230	713	1741	676	1074	1895	694	795
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WASHER SIZES	
#10 HiLo	
ID	OD
.275"	.590"

Point Diameter	Major Diameter	Minor Diameter	Head Across Flat
30° Type 17	.248 / .254	.178 / .185	.305 / .312

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
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PULL OUT STRENGTH (LBS ULT)

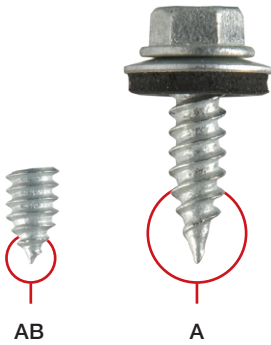
SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir	
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"
858	420	436	300	832	1620	774	1387	-	1014	1579

PULL OVER STRENGTH (LBS ULT)

MATERIAL					
Designation	AZ55 Galvalume				G-90 Galvanized
Nom. Gauge	29	26	24	22	20
Thickness	.015	.019	.024	.032	.038
14mm x .590	759	696	1190	1310	1585

QuikGrip Metal2Wood XD

Ideal for wood and light gauge metal with a pre-drilled hole. Our full range of carbon steel self-tapping screws deliver Marco quality proven in installations coast-to-coast.



Metal2Wood XD is available in two point styles – AB and A.

Size	Head	Carton Qty	Weight/M
14 x 1"	3/8" HWH	2000	16.91
14 x 1-1/4"	3/8" HWH	2000	17.63
14 x 1-1/2"	3/8" HWH	1500	24.60
14 x 2"	3/8" HWH	1000	26.02
14 x 2-1/2"	3/8" HWH	1000	30.80
14 x 3"	3/8" HWH	1000	35.91
17 x 3/4" – AB	3/8" HWH	2000	14.02
17 x 1" – AB	3/8" HWH	2000	18.00
17 x 1-1/2" – AB	3/8" HWH	2000	22.03

Point Diameter	Major Diameter	Minor Diameter	Head Diameter
30° Sharp 14	.248 / .254	.178 / .185	.367 / .375
45° Sharp 17	.285 / .295	.215 / .225	.367 / .375

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
30° Sharp 14	4281 LBS	150 IN-LBS	2999 LBS
45° Sharp 17	5167 LBS	260 IN-LBS	3957 LBS

PULL OUT STRENGTH (LBS ULT)

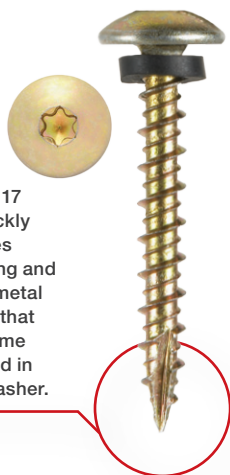
SUBSTRATES											
	Plywood			OSB	Yellow Pine		Hemlock	Spruce	HRS Prime Only		
	3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	16/.065	14/.070	12/.106
#14	858	534	356	325	765	1269	739	1234	1102	1561	2229
#17	-	-	-	-	-	-	-	-	1185	2248	3595

PULL OVER STRENGTH (LBS ULT)

MATERIAL					
Designation	AZ55 Galvalume				G-90 Galvanized
Nom. Gauge	29	26	24	22	20
Thickness	.015	.019	.024	.032	.038
#14 x 15mm (.590")	559	892	1200	1275	1610
#17 x 16mm (.630")	559	892	1200	1275	1610

QuikGrip LoPro

LoPro provides a quality, low-profile appearance on sidewall and roofing applications installed into wood substrates. Featuring a round head, with a hexalobular internal drive, LoPro is specially designed to fit a standard T-25 internal drive bit. The undercut fastener head with the EPDM rubber washer provides a secure seal even when driven at an angle. And the yellow dichromate zinc plating delivers better corrosion resistance than standard-plated fasteners.



The Type 17 point quickly penetrates steel siding and reduces metal shavings that can become embedded in rubber washer.

Size	Head	Carton Qty	Weight/M
10 x 1-1/2"	TRUSS	2500	10.1
10 x 2-1/2"	TRUSS	1500	15.4

WASHER SIZES	
#10 T-25 HiLo	
ID	OD
-	8.5 mm
THICKNESS	
2.5 mm	

Point Diameter	Major Diameter	Minor Diameter	Head Diameter
25° Type 17	.191 / .199	.127 / .133	.487 / .511

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
25° Type 17	2094 LBS	56 IN-LBS	2418 LBS

PULL OUT STRENGTH (LBS ULT)

SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir	
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"
738	451	250	215	620	912	549	671	1465	690	883

PULL OVER STRENGTH (LBS ULT)

MATERIAL			
Designation	AZ55 Galvalume		
Nom. Gauge	29	26	
Thickness	.015	.019	
#10	654	732	

QuikGrip 300ss

Marco's 300ss stainless steel HWH and bonded washer provides protection in the harshest environments.

With its 25° sharp point, the 300SS is an excellent choice for use in aluminum liner panel applications, and can also function well for animal confinement structures. Whatever the application, the HWH design holds the EPDM rubber washer to provide a protected seal, even when driven at an angle.



The 25° sharp point is ideal for self-drilling through aluminum lines panels.

Size	Head	Carton Qty	Weight/M
9 x 1"	1/4" HWH	2500	7.9
9 x 1-1/2"	1/4" HWH	2500	9.9

WASHER SIZES	
#9	
ID	OD
.214"	.472"

Point Diameter	Major Diameter	Minor Diameter	Washer Face DIA
25° Sharp Point	.175 / .181	.127 / .133	.338 / .350

Point Diameter	Head Across Flat	Nominal Tensile	Nominal Shear
25° Sharp Point	.250 / .244	1134 LBS	1033 LBS

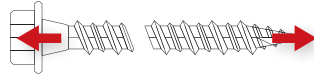
PULL OUT STRENGTH (LBS ULT)

SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Hemlock Fir		
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	FULL	1"	1-1/2"	
687	413	399	119	675	1310	551	1044	760	1309	

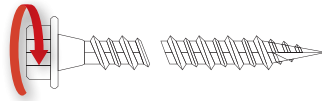
PULL OVER STRENGTH (LBS ULT)

MATERIAL			
Designation	AZ55 Galvalume		
Nom. Gauge	29	26	
Thickness	.015	.019	
300SS Sharp Point	647	738	

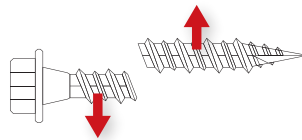
Fastener Terms



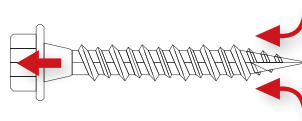
Tension Strength: The point at which a fastener fails under a load exerted in two direct and opposite directions. Fastener tension is created when a fastener elongates during tightening, producing the clamp load that prevents movement between joint members. Such movement is arguably the most common cause of structural joint failures.



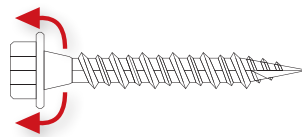
Torsion Strength: With Torsion testing, we are able to simulate real life service conditions, check product quality, and ensure proper manufacturing techniques. Torsion tests are performed by applying rotational forces or by applying both compression and rotational forces. Types of torsion testing vary from product to product but can usually be classified as failure, proof, or product operation testing.



Shear Strength: Shear is accomplished by exerting shear force (pressure) in the crosswise surface of the fastener until shear failure occurs. Shear force causes the two adjacent portions of the fastener to slide in opposite directions parallel to their contact surface.



Pullout Performance: Pullout is the capacity of a fastener's thread connection with a particular medium to remain intact and resist being pulled out of the medium.



Pullover Performance: Pullover performance relates to the capacity of a fastener to resist the pulling of the fastened sheet material over the head of the fastener. The resistance to pullover is related to the strength and diameter of the fastener washer as well as the strength and thickness of the metal panel used.

Visit MarcoIndustries.com to see our Fastener Selection Guide.



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ROOF CLIP FASTENERS

CLIPSCREWS™

METAL2WOOD | ULTRALO METAL2WOOD | METAL2METAL



Marco Quality In An Entire Roof Clip System.

Get superior ClipScrews, plus M-Clip™ snap-lock clips and fixed clips all from one source: Marco.

QuikGrip Metal2Wood ClipScrews

Marco QuikGrip Metal2Wood ClipScrews are the ideal choice to attach standing-seam roof clips to plywood, OSB, or wood purlins. The unique head style configuration allows Metal2Wood ClipScrews to provide the superior performance you've come to expect from Marco-quality products. Each Metal2Wood ClipScrew comes standard with our proven 8-micron electroplating for exceptional lubricity, wear resistance, and excellent durability. Engineered with an installation combo drive control for uniform installation performance, Marco QuikGrip Metal2Wood ClipScrews deliver long-lasting quality and superior hold.



Size	Head	Carton Qty	Weight/M
10 x 1"	#2 Phillips Square Pancake	5000	6.776
10 x 1-1/2"	#2 Phillips Square Pancake	2500	9.268

Point Diameter	Major Diameter	Minor Diameter	Head Diameter
28° Type 17	.194 / .188	.133 / .126	.423 / .447

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
28° Type 17	2140 LBS	56 IN-LBS	1545 LBS

PULL OUT STRENGTH (LBS ULT)

SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir	
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"
838	428	373	257	658	941	579	921	-	767	928

PULL OVER STRENGTH (LBS ULT)

MATERIAL				
Designation	AZ55 Galvalume			
Nom. Gauge	29	26	24	22
Thickness	.015	.019	.024	.032
ClipScrew	771	804	910	1806

QuikGrip UltraLo Metal2Wood ClipScrews

QuikGrip UltraLo Metal2Wood ClipScrews offer a 45% lower-than-standard head height, making them the low-profile choice for securing slotted, snap-lock roof panels to plywood, OSB, or wood purlins. The UltraLo addresses common installation problems such as dimpling and canning. Our low-profile head design fits most panel recesses, and when used with Marco M-Clips delivers a trouble-free installation. Marco QuickGrip UltraLo screws feature a special deep thread that pulls the fastener tighter and resists pullout better. UltraLo ClipScrews are also designed with an aggressive double-lead thread for faster installation. Like the standard Metal2Wood ClipScrew, UltraLo ClipScrews are electroplated for exceptional lubricity, wear resistance, and excellent durability.



Size	Head	Carton Qty	Weight/M
10 x 1-1/8"	#2 Phillips Square Wafer	5000	6.776
10 x 2"	#2 Phillips Square Wafer	2500	9.268
10 x 3"	#2 Phillips Square Wafer	2000	6.141

Point Diameter	Major Diameter	Minor Diameter	Head Diameter
35° Sharp	.197 / .205	.128 / .136	.423 / .443

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
35° Sharp	1612 LBS	61 IN-LBS	1272 LBS

PULL OUT STRENGTH (LBS ULT)

SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Hemlock Fir		
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1-1/2"	
740	388	401	252	765	1269	583	1039	739	1170	

PULL OVER STRENGTH (LBS ULT)

MATERIAL				
Designation	AZ55 Galvalume			
Nom. Gauge	29	26	24	22
Thickness	.015	.019	.024	.032
UltraLo	626	-	-	-

QuikDrill Metal2Metal ClipScrews

Marco QuikDrill screws are designed to attach standing-seam roof clips to steel purlins or frames. The special low-profile design features pancake heads and a deep thread that pulls the fastener tighter and resists pullouts better. As a result, you won't get the dimpled roof panels and loose panel problems typically caused by regular profile heads that don't fasten tight. Like all Marco ClipScrews, our QuikDrill Metal2Metal ClipScrews come standard with 8-micron electroplating for exceptional lubricity, wear resistance, and excellent durability.



Size	Head	Carton Qty	Weight/M
10 x 1"	#2 Phillips Square Pancake	5000	6.776
10 x 1-1/2"	#2 Phillips Square Pancake	2500	9.268
12 x 1"	#2 Phillips Square Pancake	2000	7.996

Point Diameter	Drill Point	Major Diameter	Minor Diameter	Head Diameter
#10	#3	.194 / .188	.133 / .126	.447 / .423
#12	#3	.215 / .209	.164 / .157	.447 / .423

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
#10	1825 LBS	56 LBS	1535 LBS
#12	2900 LBS	92 IN-LBS	2050 LBS

PULL OUT STRENGTH (LBS ULT)

MATERIAL				
Designation	HRS Primed Only			
Nom. Gauge	12	14	16	
Thickness	.105	.075	.060	
#10	1782	1072	782	
#12	1539	1010	724	

Trust The Entire Marco Roof Clip System: Snap-Lock Clips | Fixed Clips
Slider Assemblies | Bearing Plates | Hidden Hangers | ClipScrews



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MATCHTECH™ PAINT

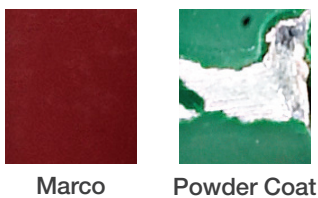
MORE STANDARD COLORS | OPTIONAL CUSTOM COLORS



▶ Marco offers more than 70 standard paint colors to match commonly used color pallets in the industry. Contact Marco for unique requirements like multi-color or texture paint finishes.

Get The Color You Want, With The Performance You Need.

MatchTech™ is our state-of-the-art, premium paint system finish for all of your fastener needs. Marco's MatchTech paint system utilizes the latest coating technology for superior paint adhesion and appearance. Don't settle for typical powder coating or other paint processes that can crack, flake and chip under stress. Marco's premier paint makes it the most durable paint coating technology in the fastener industry, offering unsurpassed durability and weather resistance.



Typical powder coating paint processes can crack, flake, chip and disintegrating under pressure.



QUIKGIRIP™
Metal-to-Wood



QUIKDRILL™
Metal-to-Metal



ClipScrews™
Clip Fasteners

▲

MatchTech polymer paint coating can be applied to these fasteners.



WT01



WT02



WT03



WT04



WT05



WT06



WT13



WT15



WT18



WT22



WT42



WT43



WT46



WT47



TN04



TN05



TN14



TN17



TN21



TN24



TN26



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GY02



GY03



GY05



GY09



GY10



GY11



GY16



GY29



GY30



GY34



GY36



RD03



RD04



RD05



RD06



RD07



RD16



RD18



RD19



RD32



RD36



CP10



BK01



BK04

Ask us about custom colors for the perfect match.

M-Clips™

Hidden clips that fasten standing seam roof panels together

A standing seam roof is only as reliable as the clips that hold it all together.

Which is why Marco offers two types of clips made from premium steel, 18- 26-gauge, that will not fail under extreme heat, ice, rain or wind. We've ensured that the utmost quality is in your hands—our clips are completely free of burrs, preventing rust and other corrosion problems. Our clips are also inspected during the production process to guarantee all dimensions will match factory panel specifications.

Our statistical process control system maintains all dimensions and met tolerances to ensure the utmost precision and quality. While our competitors' lower grade steel clips may have burrs that cause leaks and rust, our M-Clips™ are made from premium grade steel that are free of burrs. Be sure your project is Weather-Tite™ with Marco's M-Clips.

As opposed to “thru-fastened” roofs, standing seam roofs are made of spring joints that fasten panels together along their edges. Because standing seam roofs are designed to float and the fasteners are concealed, they do not leak. Our clips function in much the same way—they are hidden, fastened to the roof while the panel is pressed down onto the clip, locking it in place. Simple, effective and absolutely reliable.

Whatever your standing seam roof requires—fixed mechanical seam clips, snap lock clips, or ClipScrews— we have you covered with the M-Clips roof clip system. Our Weather-Tite system keeps everything out of sight.



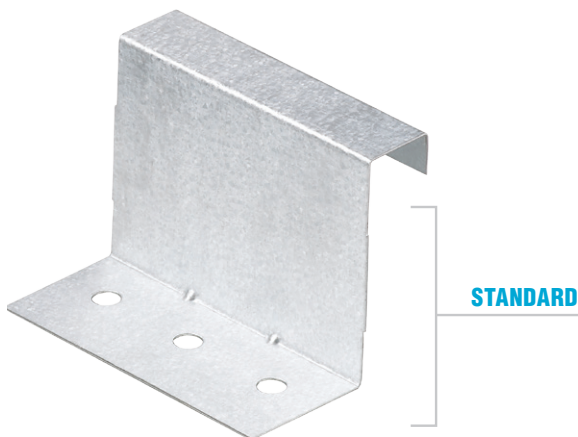
m-clips™

Mechanical Seam

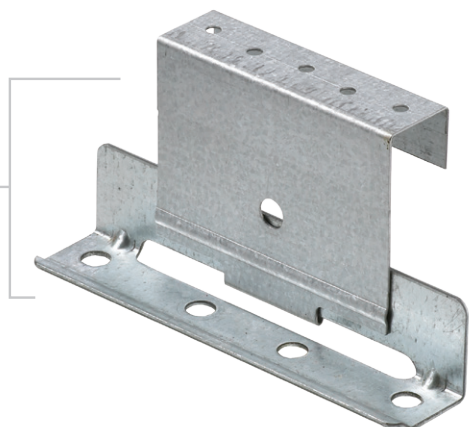
Our fixed mechanical seam clips keep everything in place—with a slider assembly that can stand up to extreme wind stress. The slider assemblies for panels over 40' allow for thermal expansion between the panels during intense hot or cold temperatures. Heavy duty to withstand all types of environments, including excessive heat, ice and wind.

MANUFACTURER PANEL NAME	CLIP NAME	STANDARD	ALTERNATE	GAUGES
Englert - A1300 Mechanical Seam Standard	1-5/8" Fixed Clip	MRC-107	MRC-128 - Slider Assembly	24
Englert - A1301 Mechanical Seam Special	1-1/8" Fixed Clip	MRC-105	MRC-205 - Slider Assembly	24
Englert - S2500 Mechanical Seam	2-1/8" Fixed Clip - N	MRC-108	MRC-129 - Slider Assembly	24 / 22
ESE - 1" Mechanical Seam	1-1/8" Fixed Clip	MRC-105	MRC-205 - Slider Assembly	24
ESE - 1-1/2" Mechanical Seam	1-5/8" Fixed Clip	MRC-107	MRC-128 - Slider Assembly	24
Knudson - KR-24 1.5" Mechanical Seam	1-5/8" Fixed Clip	MRC-106	MRC-134 - Slider Assembly	24
Knudson - KR-24 2" Mechanical Seam	2-1/8" Fixed Clip - N	MRC-108	MRC-129 - Slider Assembly	24 / 22
Metal Forming - 1" Mechanical Lock	1-1/8" Fixed Clip	MRC-105	MRC-205 - Slider Assembly	24
Metal Forming - 1.5" Mechanical Lock / Quadra Pro - TM	1-5/8" Fixed Clip	MRC-107	MRC-128 - Slider Assembly	24
Metal Forming - 2" Mechanical Lock / Quadra Pro - TM	2-1/8" Fixed Clip	MRC-145	MRC-146 - Slider Assembly	24 / 22
New Tech - SS100 Mechanical Seam	1-1/8" Fixed Clip	MRC-105	MRC-205 - Slider Assembly	24
New Tech - SS150 1.5" Mechanical Seam	1-5/8" Fixed Clip	MRC-107	MRC-128 - Slider Assembly	24
New Tech - SS200P - 2" Mechanical Seam	2-1/8" Fixed Clip - M	MRC-108	MRC-129 - Slider Assembly	24 / 22
New Tech - SS210A - 2" Mechanical Seam	2-1/8" Fixed Clip - M	MRC-109	MRC-144 - Slider Assembly	24 / 22
Roll Former - VS-150 1" Mechanical Seam	1-1/8" Fixed Clip	MRC-105	MRC-205 - Slider Assembly	24
Roll Former - VS-150 1-1/2" Mechanical Seam	1-5/8" Fixed Clip	MRC-107	MRC-128 - Slider Assembly	-
Roll Former - VS-150 1-1/2" Mechanical Seam Plus 50 Profile	1-5/8" Fixed Clip	MRC-107	MRC-128 - Slider Assembly	24

*Contact Marco for more options.



SLIDER ASSEMBLY

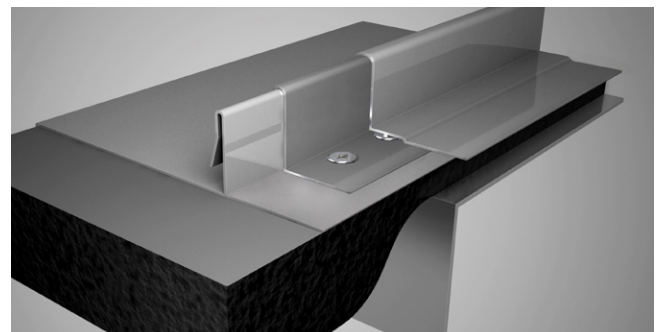
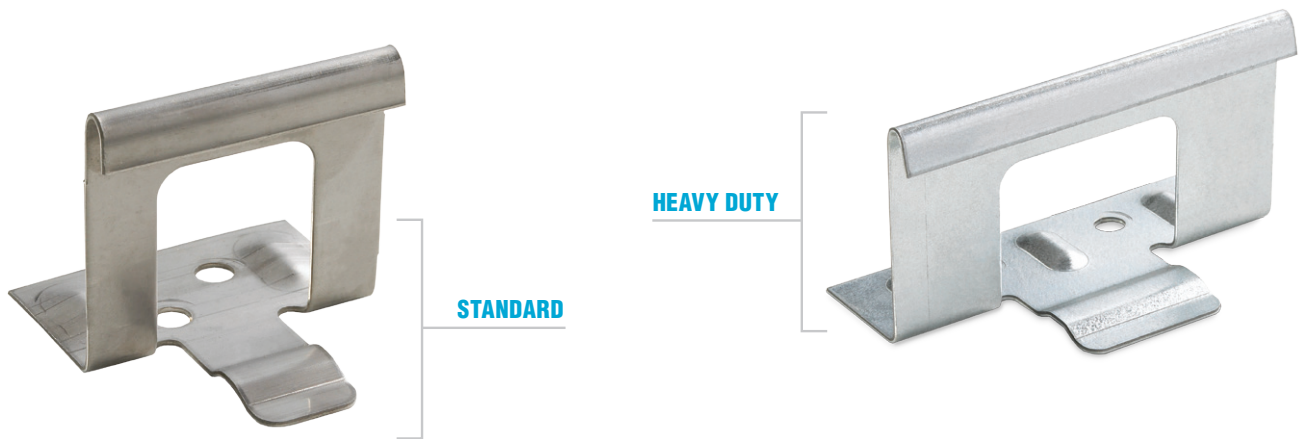


Snap Lock

Our hard-working snap lock clips make attaching roof panels a snap. Use Marco screws to secure and simply snap your roof into place. Heavy-duty to withstand all types of environments, including excessive heat, ice and wind.

MANUFACTURER PANEL NAME	CLIP NAME	STANDARD	ALTERNATE
Englert - A1500 Snap Lock	1-1/2" Snap Lock Clip	MRC-112	MRC-115 - Heavy Duty 3-1/2" Base
Englert - S2000 Snap Lock	1-3/4" Snap Lock Clip	MRC-100	MRC-113 - Heavy Duty 3-1/2" Base
Metal Forming - 1" Snap Seam / Quadra Pro - TM	1" Snap Lock Clip - Heavy Duty	MRC-130	-
Metal Forming - 1.5" Snap Seam / Quadra Pro - TM	1-1/2" Snap Lock Clip	MRC-112	MRC-115 - Heavy Duty 3-1/2" Base
Metal Forming - 1.75" Snap Seam / Quadra Pro - TM	1-3/4" Snap Lock Clip	MRC-101	MRC-114 Heavy Duty 3-1/2" Base
New Tech - SS675 - 1-3/4" Snap Lock	1-3/4" Snap Lock Clip	MRC-101	MRC-114 - Heavy Duty 3-1/2" Base
Zimmerman - SL-1000 1" Snap Lock	100 SLZ - Snap Lock	MRC-103	-
Zimmerman - SL-1500 Heavy Duty 1-1/2" Snap Lock	100 SLZ - Snap Lock	MRC-103	-
Zimmerman - SL-1750 1-3/4" Snap Lock	1-3/4" Snap Lock Clip	MRC-101	MRC-114 - Heavy Duty 3-1/2" Base

*Contact Marco for more options.



M-Clips Installation

Like all other Marco products, our clip screws are made of heavy-duty alloys that stand up to tough rooftop conditions. Both our ClipScrews and UltraLo models fasten smoothly and securely to prevent canning on roof panels—a hallmark of poor product quality.



ClipScrews

Standard clip screws have regular profile heads. When those regular clip screws don't fasten tight, it can cause dimpled roof panels and result in serious loose panel problems. Problem solved with Marco's low profile ClipScrews – available in both QuikGrip™ and QuikDrill™.

QuikGrip™ and QuikDrill™ ClipScrews™ have a deep thread that pulls the fastener tighter and resists pullout better. And with the 17pt special thread design, you'll get an even quicker drill or grip on 24 and 26 ga. metal.

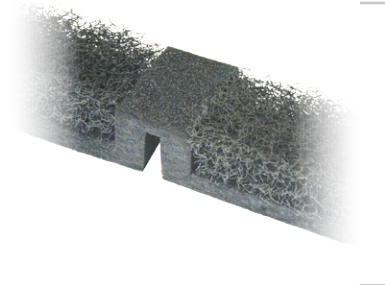


ULTRALO

For a low profile clip screw that causes absolutely no canning or telescoping – which can add a “wavy” appearance to your standing seam roof – choose Marco's UltraLo ClipScrews.

UltraLo's head is 45% lower than a standard clip screw. It is also designed with an aggressive double lead thread for faster installation. Available in a regular #2 Phillips Square Wafer head and 36° point, this heavy-duty clip screw is made to last.

To make sure that your standing seam roof is truly Weather-Tite, make sure to ventilate the ridgecap with LP2 – a durable, non-woven, and non-wicking custom profile ridge vent that is flame and tear resistant.



Custom contours fit any pitch, all major metal roof profiles, for either ridge cap application or roof-to-wall applications. LP2™ creates a low-profile look and a seal that helps keep out moisture. Python™ is a single-layer, non-fabric-covered ridge vent re-cycled material made from silicone-coated fibers that prohibit clogging. This strong, durable, modified polyester allows the greatest air flow in and out of the attic. The special cut contours plus a 2" Marco closure create an incredible WEATHER TITE™ seal to help keep out moisture, insects, dust, and plant materials.

M-Clips™ represent yet another Marco Industries technological development in bringing you innovative, higher quality, and more economical products for the building industry.



To order: 1.800.800.8590 | MarcoIndustries.com | info@MarcoIndustries.com



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FLASHING

ROOFBOOTS™ | EXPANDABLE EDGE STRIP



Value through the Roof.

Get A Superior Seal, In A Flash.

Marco delivers everything you need to seal pipes securely. From a huge variety of Master Flash® RoofBoots to expandable edge strip for awkward flashing shapes and surfaces. With Marco as your one-stop-shop, you'll get the roof flashing you need quickly, and rest easy knowing you're getting industry-leading warranties and Weather-Tite performance.



UNIVERSAL ROOFBOOT

**ROUND
FLEXIBLE SLEEVE**

The proven choice with a 20-year warranty.

- Easy, on-site customization for superior fit
- Sleeve flexibility absorbs vibration and pipe movement caused by expansion/contraction
- Maximum resistance to ozone weathering
- Available in black or grey EPDM, red or grey silicone, or colors upon request



Specs

Ozone Resistance: 70 hrs @ 500pphm (EPDM and RS)*

High Temp. Resistance:

Intermittent: +135°C/+275°F (EPDM), +260°C/+500°F (RS)

Continuous: +100°C/+212°F (EPDM), +225°C/+437°F (RS)

Low Temp. Resistance: -55°C/-67°F (EPDM),

-74°C/-101°F (RS)

Compression Set: 25% (EPDM), 50% (RS)

*RS = Red Silicone

	Pipe Range	Base
Mini	0" - 3/4"	4" (101 mm)
#1	1/4" - 2 1/2"	3 1/4" (82 mm)
#2	1 3/4" - 3"	6 1/4" (158 mm)
#3	1/4" - 5"	7 3/4" (196 mm)
#4	3" - 6 1/4"	9 1/4" (234 mm)
#5	4 1/4" - 7 3/4"	10 1/2" (266 mm)
#6	5" - 9"	13" (330 mm)
#7	6" - 11"	14 1/2" (368 mm)
#8	7" - 13"	16 1/2" (412 mm)
#9	9" - 19"	25 1/4" (641 mm)

The Marco Weather-Tite™ System

Closure

Ventilation

Fasteners

Flashing

Sealants

Underlayment

Accessories

Our flashing products are made of EPDM or silicone and compounded specifically for maximum resistance to weathering due to ozone and ultraviolet light. As part of the exclusive Marco Weather-Tite System, they offer easy installation, superior performance, and tremendous value.

You may also need



Marco's Weather-Tite™
Metal Roof Sealant



Fasteners



STANDARD ROOFBOOT

SQUARE FLEXIBLE SLEEVE

Standard 20-year warranty, 35-year warranty available.

- Easy, on-site customization for superior fit
- Sleeve flexibility absorbs vibration and pipe movement caused by expansion/contraction
- Maximum resistance to ozone weathering
- The first ICC-listed flashing in the metal building industry with a 35-year warranty (available on black EPDM only)
- Available in black or grey EPDM, red or grey silicone, or colors upon request

Specs

Ozone Resistance: 70 hrs @ 500pphm (EPDM and RS)

High Temp. Resistance:

Intermittent: +135°C/+275°F (EPDM), +260°C/+500°F (RS)

Continuous: +100°C/+212°F (EPDM), +225°C/+437°F (RS)

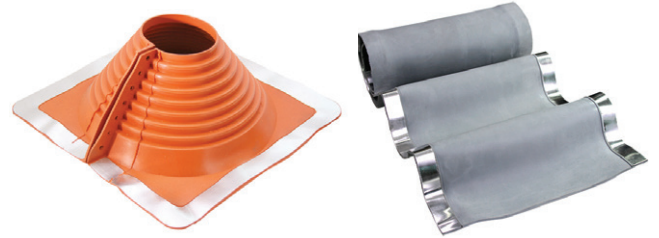
Low Temp. Resistance: -55°C/-67°F (EPDM),

-74°C/-101°F (RS)

Compression Set: 25% (EPDM), 50% (RS)

*RS = Red Silicone

	Pipe Range	Base
Mini	1/8" - 3/4"	2 1/4" (57 mm)
#1	1/4" - 2 3/4"	4 1/2" (114 mm)
#2	7/8" - 4"	6" (152 mm)
#3	1/4" - 5 3/4"	8" (203 mm)
#4	2 3/4" - 7"	10" (254 mm)
#5	4" - 8 1/4"	11" (279 mm)
#6	4 3/4" - 10"	12" (279 mm)
#7	5 1/2" - 11 1/2"	14" (355 mm)
#8	6 3/4" - 13 1/2"	17" (431 mm)
#9	9 1/2" - 20 1/2"	25" (635 mm)
Maxi	12" - 28 1/2"	34" (863 mm)



COMPLETE LINE OF FLASHING

SPECIALTY BOOTS / STRIP FLASHING

Superior solutions for every flashing application.

Specialty

- Contact Marco for multi-flash, solar, multi-port and other specialty boots

Retrofit

- Round or square boots available in three sizes
- 20-year warranty
- Available in black or grey EPDM or silicone

Extreme Angle

- Choose to handle any extreme roof pitch
- 20-year warranty
- Available in black EPDM or grey silicone

Box Gutter Expansion Joint

- Expandable edge strip flashing in grey EPDM
- Flashes hi-rib and standing-seam profiles
- Stretch and form to fit and seal
- Flash between dissimilar materials
- Ideal for square ducts, chimneys, skylights
- 20-year warranty
- Available in 9" width by 12', 33' and 50' lengths

RoofBoot Installation

For a manufacturer's installation video, visit marcoindustries.com



Our Universal and Standard RoofBoots are available in black or grey EPDM, red or grey silicone, or these custom colors upon request. *Call for availability.



Box Gutter Expansion Joint

Expandable Edge Strip Flashing



Product Details

- 9" (228mm) width
- .059 mm thick
- 12', 33', and 50' lengths available
- Made of grey ozone resistant EPDM
- 20-year warranty

Applications:

- Transition Walls
- Parapet Walls
- Stepped Roofs
- Corrugated Metal Roofs
- Roof Penetrations
- Expansion Joint
- Skylights

For detailed product information or to speak with your salesperson call Marco Industries at 800-800-8590.



Box Gutter Expansion Joint

Compound	Part No.	Flashing Details
Grey EPDM	MFEJ912	9" wide 12' long (9" x 12')
Grey EPDM	MFEJ933	9" wide 33' long (9" x 33')
Grey EPDM	MFEJ950	9" wide 50' long (9" x 50')



Value through the Roof.

800.800.8590 / MarcoIndustries.com



Marco's Rapid Response™ delivers, faster and easier. Take advantage of free shipping with low minimum orders.

SEALANTS

MASTIX™ | X-SEAL™ | MARCO'S WEATHER-TITE™ METAL ROOF SEALANT



Seal Out The Elements.

While sealants are a small part of construction, they are vital to the energy efficiency and integrity of your building. So don't skimp. Choose Marco sealants for smooth installation and proven performance you can count on, year after year.



MASTIX BUTYL TAPE

Flexible metal-to-metal adhesive that stays in place, even in extreme heat.

- Trimmable joint and end lap sealing tape
- Non-staining, permanently flexible
- Seals around windows, doors, roof vents, and more
- Roll won't telescope from heat before installation
- Keeps even hot metal roofing panels in place—no melting or oozing
- Made in the USA



Specs

3/32" x 3/8" x 45': 16 rolls/carton, 30 carton/pallet

3/32" x 1/2" x 45': 16 rolls/carton, 30 carton/pallet

3/32" x 3/4" x 45': 16 rolls/carton, 30 carton/pallet

3/32" x 1" x 45': 12 rolls/carton, 30 carton/pallet

Chemical Name: Isobutylene

Chemical Family: Butyl Mixture

Health Hazard: 0-Minimal

Flammability Hazard: 0-Minimal

Reactivity Hazard: 0-Minimal

Volatile (WL)%: 0

Solubility in Water: Insoluble

Specific Gravity (H20=1): 1.59-1.64

Evaporation Rate: Not Applicable

Appearance: Soft, pliable gum

Color: Q-126 (off-white to gray), Q126BB (black),
Q-126-10 (off-white to gray)

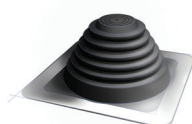
Odor: None



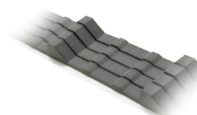
Our sealant products are made with only the highest quality materials. As part of the exclusive Marco Weather-Tite System, they are designed specifically for easy installation, superior performance, and tremendous value.



You may also need



Roof Boots™



Closure Foam™

The Marco Weather-Tite™ System

Closure

Ventilation

Fasteners

Flashing

Sealants

Underlayment

Accessories



X-SEAL

EXPANDABLE FOAM TAPE

Automatically expands to fill any-shaped gap in the construction of metal buildings, doors and windows, concrete, wood and more.

- Expands from 1/4" to 1"
- Expands from 3/8" to 1 1/2"
- Follows, flexes, expands, compresses to fit
- UV stable
- Universally adaptable to most roof panels, including hips and valleys
- Highly resistant to bugs and vermin
- Economical
- Maintains seal in heat and cold
- Will not leech out or stain



SEAL

Specs

Color: Base foam is black, other colors available

Density: 10 lbs./cu Ft. (150kg/m3)

Flammability: UL 94 HF1, Self-extinguishing, DIN 4102, B1 compression at 50%, B2 compressed

Temperature Stability Range: -40° F to 212° F

Manufacturer's Lab: -40° C to 120° C

Weather Resistancy: Excellent

Compression Set: Maximum 2%

Tensile Strength: 21.8 psi

Thermal Conductivity: 12,106 BTU (hr.) (ft2) (*F/ft)



Before expansion.



Expanded.



MARCO'S WEATHER-TITE METAL ROOF SEALANT

ECO-FRIENDLY MS POLYMER SEALANT

Stands up to the elements better than all other sealant technologies.

- Waterproof seal against water, wind, dust, dirt or other filtrations
- Adheres to almost any common building substrate or material
- 30+ standard colors
- Tack-free in 1 hour
- Paintable (excluding translucent)
- Chemically curing <1% VOC
- Made in the USA

Specs

Water Clean-Up: Yes

Non-Toxic: Yes

Non-Flammable: Yes

VOC-Compliant: <1% VOC

Cold Weather Extrusion: 0° F

Waterproof: Yes

Tensile Strength: 225 psi

Conforms to ASTM C920: Yes

Tack-Free: Tack-Free in 1 Hour @ 77° F/50% RH\

Gap Filling: 1"

Service Temperature: -75° to 300° F for short periods of time

UV Rating: Conforms to ASTM G26

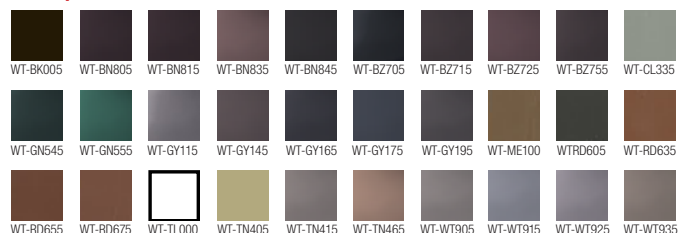
Elongation: 275%

Cartridge: Plastic – 10.1 oz.

Warranty: Limited

Hazardous Ingredients: None

Sample colors




The seal of approval

Marco's Weather-Tite™ Metal Roof Sealant Stands up to the elements

- **Waterproof seal against water, wind, dust, dirt, or other infiltrations**
- **Adheres to almost any common building substrate or material**
- **30+ standard colors**
- **Tack-free in 1 hour**
- **Paintable (excluding translucent)**
- **Chemically curing <1% VOC**

Marco's Weather-Tite™ Roof Sealant is specifically formulated to outperform all other sealant technologies, including silicones, tri-polymers, and polyurethanes. The superior polymer formula provides exceptional adhesion to Kynar™, Hylar™, Galvalume®, coated and uncoated metal surfaces, plastics, glass, wood, and vinyl.

The product is ideal for use on a wide variety of metal roof, trim, metal, vinyl siding, aluminum, gutters, flashing, windows, doors, and vents materials. It also provides unbeatable adhesion to wood, brass, and other common building substrates. 

Marco's Weather-Tite™ Roof Sealant comes in 30 standard colors to match today's popular metal roof and metal siding materials, regardless of manufacturer. (For details regarding additional, custom color options, call Marco Sales, 800-800-8590.)

The product extrudes in extreme weather conditions (down to 0° F) and is UV-resistant, making it the ideal choice for exterior applications and damp surfaces. It will expand and contract in changing weather and temperature and will not crack. This sealant chemically cures <1% VOC.

Marco's Weather-Tite™
**METAL ROOF
SEALANT**

One element of the Marco Weather-Tite™ System





OVER 30 COLORS AVAILABLE

SPECS & EASY APPLICATION

RUN ¼" BEAD OF SEALANT ALONG AREA TO BE SEALED. INSTALLED MATERIAL PAINTABLE, EXCLUDING TRANSLUCENT, ONCE TACK-FREE.

- The Marco Weather-Tite™ System
- Closure
- Ventilation
- Fasteners
- Flashing
- Sealants
- Underlayment
- Accessories

Weather-Tite™ Metal Roof Sealant	
Water Clean-Up	Yes
Non-Toxic	Yes
Non-Flammable	Yes
VOC-Compliant	<1% VOC
Cold Weather Extrusion	0°F
Waterproof	Yes
Tensile Strength	225 psi
Conforms to ASTM C920	Yes
Tack-Free/1 Hour*	*@ 77° F / 50% RH
Gap Filling	1"
Service Temperature, -75° to 300° F**	**For short periods of time
UV Rating	Conforms to ASTM G26
Elongation	275%
Cartridge	Plastic - 10.1 oz
Warranty	Limited
Colors	30+
Hazardous Ingredients	None
Manufactured	Owned/Made in USA

Don't forget to order Weather-Tite™ Metal Roof Sealant when installing:



ROOFBOOTS™

ADDITIONAL METAL ROOF SEALANT APPLICATIONS:

DOORS AND WINDOWS

Metal Roof Sealant represents yet another Marco Industries development in bringing you innovative, higher quality, and more economical products for the building industry.



Value through the Roof.

800.800.8590 / MarcoIndustries.com



Marco's Rapid Response™ delivers, faster and easier. Take advantage of free shipping with low minimum orders.

**For any shaped gap in
the construction of metal
buildings, doors and
windows, concrete, wood,
and more...**

Fill gaps with X-Seal



- Expands from 1/4" to 1"
- Expands from 3/8" to 1 1/2"
- Follows, flexes, expands, compresses to fit
- UV stable
- Won't dry out or extrude like caulk or butyl tapes
- Highly resistant to bugs and vermin
- Economical
- Maintains seal in heat and cold

X-Seal™ comes compressed at just one-quarter inch, on an easy-to-handle roll. Cut the desired length of X-Seal, place X-Seal into the gap opening—even one with irregular hips and valleys—and remove the protective release paper. Now watch X-Seal slowly expand to completely fill and seal the gap.

X-Seal won't dry out and become hard or brittle. And it's highly resistant to bugs and vermin.

It's UV stable and maintains a seal during thermal expansion and contraction of building panels. It has excellent compressibility and recovery (for minimal compression set). It's a very good thermal and sound insulator. And there's no shrinkage or blow-out from closed-cell breakage with X-Seal.

X-Seal holds the exterior out and the interior in, yet allows vapors to move through. A hermetic seal allows the absorption of moisture and when conditions permit, the slow release of moisture through evaporation.

With features like those, X-Seal's versatility makes it perfect for sealing gaps in so many construction projects, between similar and dissimilar materials:

- Joints and seams in metal construction
- Around doors and windows
- For control joints, expansion joints and isolation joints in concrete construction
- Civil and underground construction (highway and airport runways)
- Log and prefabricated homes
- Panel joints in precast panel construction

**SEAL**

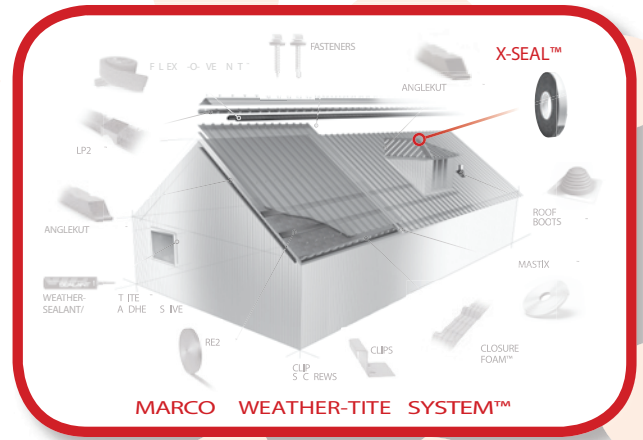
One element of the Marco WEATHER-TITE™ SYSTEM

Expandable Foam Tape



SEAL

Expandable foam tape.



Hips



Doors



Previous to Expansion



Expanded

Physical Characteristics

Description/Base/Color:	Precompressed, self-expanding pur-foam impregnated with a high quality modified acrylic, flame retardant emulsion. The base foam is black; other colors available.
Density:	10 lbs./cu. Ft. 150kg/m3
Flammability:	UL 94 HF1, Self-Extinguishing, DIN 4102, B1 compression at 50%, B2 compressed
Temperature Stability Range:	-40°F to 212°F
Manufacturer's Lab:	-40°C to 120°C
Weather Resistancy:	Excellent
Compression Set:	Maximun 2%
Tensile Strength:	21.8 psi
Thermal Conductivity:	12,106 BTU (hr.) (ft2) (*F/ft)

X-Seal™ represents yet another Marco Industries technological development in bringing you innovative, higher quality, and more economical products for the building industry.

1.800.800.8590 | MarcoIndustries.com | info@MarcoIndustries.com



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1632 Broder Street | Regina, Sask S4N 7K1 | 1.866.244.7573 | Fax: 1.306.775.0072

**Choose the sealant
that will stick around
before and after
installation.**

Staying power

- High quality adhesive
- Joins metal-to-metal
- Seals around windows, doors, more
- Roll won't telescope from heat before installation
- Adhesive really holds hot metal panels



Marco Industries has created a high quality trimmable joint and end lap sealing tape that solves the adhesive failure problems associated with hot metal roofing and wall jobs.

Mastix™ is made with a superior adhesive which is non-staining, permanently flexible, and stays in place during extreme heat. It seals around windows, doors, roof vents, stacks, access doors and other penetration points.

The adhesive actually prevents the product roll from "telescoping"...a common problem when other adhesives get too hot and cause a tape roll to start losing its shape. Which then causes the installer more handling problems and installation time.

Then, once Mastix™ is applied, it truly adheres to the metal roof panel and stays in position even on the hottest days. So you don't have to mess with a failing adhesive strip sliding down the hot metal roof before you can overlay the next roofing panel.

Don't sweat your next metal roofing job. Choose Mastix™ and get the job done easier and faster, even on the hottest days.

MASTIX

One element of the Marco WEATHER-TITE™ SYSTEM

MASTIX

Metal-to-metal high quality sealing tape...that really stays in place.

The Marco
Weather-Tite™
System

Closure

Ventilation

Fasteners

Flashing

Sealants

Underlayment

Accessories

Versatile

- Mastix™ is a trimmable end lap sealing tape that joins metal-to-metal, and seals around windows, doors, roof vents, stacks, access doors and other penetration points.

Prevents product telescoping.

- Mastix™ superior adhesive keeps the product roll intact and non-telescoping, even on hot days.

Keeps metal roofing panel in place

- Apply Mastix™ to a hot metal roofing panel. It

will stay put, while you place the panel. No melting, oozing adhesive allowing panels to slide and making your installation harder.

Non-staining, permanently flexible.

- Mastix™ won't stain, and it stays flexible, making it the perfect adhesive tape for almost every metal roof application.

Sizes Available

Size	Rolls / Carton	Carton / Pallet
3/32" x 3/8" x 45'	16	30
3/32" x 1/2" x 45'	16	30
3/32" x 3/4" x 45'	16	30
3/32" x 1" x 45'	12	30



Technical Characteristics

Chemical Product and Company Identification

Product Name:..... Mastix™ Butyl Tape
Chemical Name: Isobutylene
Chemical Family:..... Butyl Mixture

Health Hazard:..... 0-Minimal
Flammability Hazard:..... 0-Minimal
Reactivity Hazard:..... 0-Minimal

Hazardous Identification

- Based on data available to Marco Industries, none of the components in this product are considered hazardous according to OSHA Hazard communication Standard 29CFR 1910,1200.
- The Composition of this mixture is proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

Fire Hazards

Flash Point: >400°F (204°C)
Method:..... Pensky Marten closed cup

Extinguishing Media: Dry chemical, Carbon dioxide, Foam, Water
Special Fire-Fighting

Procedures: Large quantities of water will extinguish.
Do not enter confined space without proper protective equipment.

Hazardous Combustion

Products: Carbon monoxide. Carbon dioxide.

Physical and Chemical Properties

Volatile (WL)%:..... 0
Solubility in Water:..... Insoluble
Specific Gravity (H₂O=1): 1.59-1.64
Evaporation Rate: Not applicable
Appearance: Soft, pliable gum
Color:..... Q-126 Off-white to gray
Q-126BB Black
Q-126-10 Off-white to gray
Odor: None

Mastix™ represents yet another Marco Industries technological development in bringing you innovative, higher quality, and more economical products for the building industry.



Value through the Roof.

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UNDERLAYMENT

HYDRASHELL™ SUPREME SA | HYDRASHELL™ SUPREME | HYDRASHELL™ MAX



Overdelivering On Underlayment.

Our proven HydraShell™ synthetic and self-adhering underlayment solutions provide superior protection for your roof and everything underneath it. We use only the best materials so we can back each product with industry-leading warranties, and give every Marco customer peace of mind that's absolutely Weather-Tite.



30
YEAR
LIMITED WARRANTY

HYDRASHELL SUPREME SA HT SELF-ADHERING SYNTHETIC ROOF UNDERLAYMENT

The best choice in high-temp, easy-to-handle, self-adhering applications.

- Split-back release film peels off for easy installation
- Adheres to a variety of substrates
- Polymer-modified asphalt gives excellent pliability
- Exceptionally durable high-tensile/tear strengths
- Cool Gray surface to reduce heat build-up
- 90-day UV exposure rating
- 30-year limited warranty
- Made in the USA

Specs

Boxed

Roll Dimensions: 36"/67'

Roll Weight: 55 lbs

Area Per Carton: 201 ft²

Cartons Per Pallet: 30

Permeability (ASTM E96): .067 perms

Nail Sealability (D1970): Pass

Adhesion To Plywood @ 75° F (D903): >12 lbs/ft

Adhesion To Plywood @ 40° F (D903): >2 lbs/ft

Mill Thickness (ASTM D5147): 44

Flexibility At -20° F (D1970): Pass

High Temperature Rating: 240° F

ASTM D 1970 | CSA A 123.22



The Marco Weather-Tite™ System

Closure

Ventilation

Fasteners

Flashing

Sealants

Underlayment

Accessories

Our underlayment products are made with only the highest quality materials. As part of the exclusive Marco Weather-Tite System, they are designed specifically for easy installation, superior performance, and tremendous value.



HydraShell SUPREME SA is not only ideal for standard roofing areas (shown), but also valleys, ridges, coping joints, chimneys, vents, dormers, skylights, and low-slope sections.

You may also need



Marco's Weather-Tite™
Metal Roof Sealant



LP2™ Ridge Vent



LIFE TIME
LIMITED WARRANTY

HYDRASHELL SUPREME

HIGH-PERFORMANCE SYNTHETIC ROOF UNDERLAYMENT

The superior synthetic underlayment choice with a limited lifetime warranty.

- Superior lay-flat properties: won't wrinkle or absorb water
- Stays flexible in cold weather
- 20 times stronger than #30 felt
- Less weight per roll
- Low-slip bottom coating
- Cool Gray surface to reduce heat build-up
- 90-day UV exposure rating
- Class A fire rating
- Use on steeper slopes under asphalt shingles, synthetic shingles, cedar shakes, and metal
- Miami-Dade County Code approved
- Made in the USA

Specs

Roll Dimensions: 40"/300'

Permeability (ASTM E96): 0.1 perms

Water Transmission (ASTM D4869): Pass

Tear Strength (ASTM D4533): 38 lbs MD/37 lbs CD

Tensile Strength (ASTM D751): 120 lbs MD/115 lbs CD

Burst Strength (ASTM D751): 160 psi

Elongation (ASTM D751): 20%

Weight Per Square (ASTM D5261): 2.46 lbs

Nominal Thickness (ASTM D1777): 7.5 mils

Temp. Range (Internal): -70° F to 240° F



TDI | FBC | CSA A 123.3
ASTM D 4869 | ASTM E 108 | ASTM D226



Each 10-square roll of HydraShell SUPREME weighs less than 26 lbs, for easy handling and installation.



30 YEAR
LIMITED WARRANTY

HYDRASHELL MAX

SYNTHETIC ROOF UNDERLAYMENT

The reliable underlayment choice with a 30-year limited warranty.

- Won't wrinkle or absorb water
- Stays flexible in cold weather
- 25 times stronger than #15 felt
- 12 times stronger than #30 felt
- More coverage per roll
- Less weight per roll
- Requires fewer fasteners
- Cool Gray surface to reduce heat build-up
- 90-day UV exposure rating
- Class A fire rating
- Use under asphalt shingles, synthetic shingles, cedar shakes, and metal
- Miami-Dade County Code approved
- Made in the USA

Specs

Roll Dimensions: 40"/300'

Permeability: 0.1 perms

Water Transmission: Pass

Tear Strength: 33 lbs MD/24 lbs CD

Tensile Strength: 95 lbs MD/85 lbs CD

Burst Strength: 160 psi

Elongation: 20%

Weight Per Square: 1.96 lbs

Nominal Thickness: 6.2 mils

Temp. Range (Internal): -70° F to 240° F



TDI | FBC | CSA A 123.3
ASTM D 4869 | ASTM E 108 | ASTM D226



HydraShell SUPREME and MAX are attached with standard roof nails, making the installation simple, less expensive, and fast.



HYDRASHELL™ MAX

The high performance underlayment choice with a 30 year limited warranty.

When you need a high strength light weight synthetic roof underlayment, HydraShell™ MAX is the choice for you. Manufactured from 100% synthetic materials, HydraShell™ MAX has a four layer construction making it 25 times stronger than #15 felt and 12 times stronger than #30 felt. It requires significantly few fasteners, and provides a tough, durable deck cover. The less weight per roll and the non-woven walking surface makes for a simple and easy installation. HydraShell™ MAX is designed for use under all types of roofing materials; including: asphalt shingles, synthetic shingles, cedar shakes, and metal, and is backed by a 30 year limited warranty.



Features and Benefits:

- Will not wrinkle or absorb water
- Remains Flexible in cold weather
- 100% synthetic
- 90 Day UV exposure rating
- Class A fire rating
- 25x stronger than #15 roofing felt
- 12x stronger than #30 roofing felt
- More coverage per roll
- Less weight per roll for easy installation
- Cool Gray surface to reduce heat build-up

30
YEAR
LIMITED WARRANTY

Physical Properties	HYDRASHELL™ MAX
Roll Dimensions	40" x 300'
Permeability	0.1 perms
Water Transmission	Pass
Tear Strength	Md 33 lbs/GD 24 lbs
Tensile Strength	MD 95 lbs / CD 85 lbs
Burst Strength	160 psi
Elongation	20%
Weight per Square	1.96 lbs
Nominal Thickness	6.2 mils
Temp. Range (Internal)	-70 F to 240 F



Value through the Roof.

800.800.8590 / MarcoIndustries.com



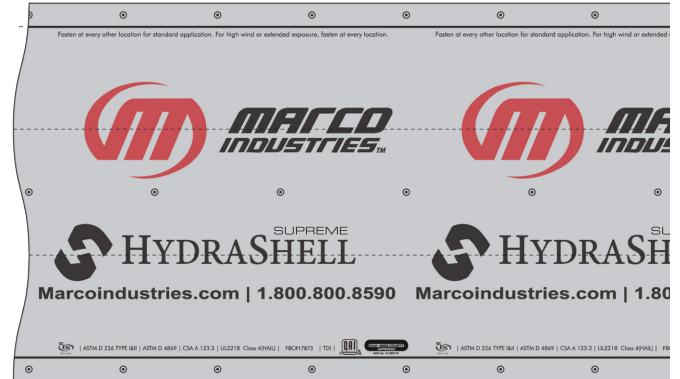
Marco's Rapid Response™ delivers, faster and easier. Take advantage of free shipping with low minimum orders.



HYDRASHELL™ SUPREME

The premium synthetic underlayment choice with a limited lifetime warranty.

HydraShell™ SUPREME is a 100% premium synthetic underlayment that is easy to install, light weight, and offers a low slip bottom coating. The unique four layer construction makes it 20 times stronger than #30 felt. Each 10 square roll weighs less than 26lbs. and is attached with standard roof nails making the installation simple, less expensive, and fast. HydraShell™ SUPREME has a non-woven walking surface and specially formulated low slip bottom side coating offering a safer installation process. HydraShell™ SUPREME is designed for use on steeper slopes under all types of roofing materials; including: asphalt shingles, synthetic shingles, cedar shakes, and metal, and is backed by a limited lifetime warranty.



**LIFETIME
LIMITED WARRANTY**

Features and Benefits:

- Non-woven walking surface
- Sure footing with a deck grabbing low slop bottom side coating
- Less weight per roll for easy installation
- Superior lay-flat properties: will not wrinkle or absorb water
- 20x stronger than #30 felt
- Cool Gray surface to reduce heat build-up
- Remains flexible and easy to install in cold climates
- 100 % synthetic
- 90 Day UV exposure rating
- Class A fire rating
- Limited lifetime warranty

Physical Properties	HYDRASHELL™ SUPREME
Roll Dimensions	40" x 300'
Permeability ASTM E96	0.1 perms
Water Transmission ASTM D4869	Pass
Tear Strength ASTM D4533	Md 38 lbs/CD 37 lbs
Tensile Strength ASTM D751	MD 120 lbs / CD 115 lbs
Burst Strength ASTM D751	160 psi
Elongation ASTM D751	20%
Weight per Square ASTM D5261	2.46 lbs
Nominal Thickness ASTM D1777	7.5 mils
Temp. Range (Internal)	-70 F to 240 F



Value through the Roof.

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Marco's Rapid Response™ delivers, faster and easier. Take advantage of free shipping with low minimum orders.



HYDRASHELL™

SUPREME SA

The **BEST** choice in Self-Adhered Synthetic Underlayment

Product Features	HydraShell Supreme SA
Warranty	30 years
UV Exposure	90 days
Color	Cool Grey
Nail Sealability (D1970)	PASS
Adhesion to Plywood @ 75F (D903)	>12 lbs/ft
Adhesion to Plywood @ 40F (D903)	>2 lbs/ft
Mill Thickness (D1970)	40
Permeance (ASTM E96)	<0.02 perms
Flexibility at -20F (D 1970)	PASS
High Temperature Rating	240 F
Roll Size	36" x 67'
Area per Carton	201 sq ft
Roll Weight (Pounds)	50
Cartons per Pallet	30



800.800.8590 / MarcoIndustries.com



Marco's Rapid Response™ delivers, faster and easier. Take advantage of free shipping with low minimum orders.

HYDRASHELL™ PREMIUM

HydraShell Premium underlayment is among the safest, strongest, and best-performing underlayments on the market. Woven of heavyweight polymer fabric, HydraShell™ Premium offers superior strength and durability, dynamic steep-slope traction, water resistance, a wrinkle-free surface, and resistance to UV-breakdown. The textured Fiber Claw™ woven fabric surface offers dynamic traction and is ideal for steep slopes in a variety of weather conditions. HydraShell™ Premium is rated for commercial and residential applications using plastic caps and roofing nails (3/8" head), and is an ideal roof underlayment for asphalt shingles, metal, tile, slate, and a variety of other sloped roofing materials.

Features and Benefits

- ◆ Safer: Skid-resistant polymer coating and proprietary Fiber Claw™ walking surface offers dynamic steep slope traction.
- ◆ Stronger: HydraShell™ Premium is stronger than Type 15 or 30 felt and easier to handle during installation.
- ◆ Lighter: HydraShell™ Premium is lighter than Type 15 or 30 felt and easier to handle during installation.
- ◆ Simpler to apply: HydraShell™ Premium installs quickly, easily and with less risk. It's lighter, stronger and covers more area.
- ◆ Won't buckle, warp, or crack: Superior lay-flat properties and water resistance keeps HydraShell™ Premium from warping, wrinkling, and cracking in cold weather.
- ◆ Warranty: Lifetime limited warranty applies to HydraShell™ Premium. Contact Marco for more details.

Roll Size

- ◆ 48" X 250' (1.22m X 76.20m)

Properties

Property	Standard	UOM
Tensile Strength (MD/CD)	ASTM D 882	MD 126 / CD 92
Tear Resistance	ASTM D 4533	MD 41 / CD 37
Rupture Resistance	ASTM D 3462-02 (LBF)	87
Beach Puncture	ICC AC-08	Pass
Long Term Sag	ICC AC-08	Pass
Liquid Water Transmission	ASTM D 4869-02	Pass
Ultra Violet Aging	ICC-ES AC 188	Pass
Accelerated Aging	ICC-ES AC 188	Pass

Test data is based on average results and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications.



ESR-1293



Code & Standard Compliance

- ◆ ASTM D 226, Type 1 & 2: Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing
- ◆ ICC-ES AC 188 (ESR-1293): Acceptance Criteria for Roof Underlayments
- ◆ CSA A 123.3, Type I & II: Asphalt Saturated Organic Roofing Felt
- ◆ ASTM E 108 - Class A: Standard Test Methods for Fire Tests of Roof Coverings
- ◆ CSA A 220.1: Acceptance Criteria for Concrete Roof Tile
- ◆ FBC #8700-R2



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HYDRASHELL™ PREMIUM SA

HydraShell™ Premium Self-Adhering (SA) Product, with its high-performance adhesive and trusted manufacturing technology, is a premium grade underlayment. It is one of the strongest, most reliable and best-performing self-adhered roof underlayments on the market.

This product is unrivaled in its ease of application, requires no back nailing in the field of the roof, does not require priming at low temperatures and remains stable at extreme temperatures.

It meets or exceeds code requirements and industry nail sealability tests, and offers the most walkable surface in the industry with its proprietary Fiber Claw™ woven fabric surface. The HydraShell™ Premium SA is rated for commercial and residential applications and is an ideal self-adhering underlayment for projects subject to ice-damming and severe weather.

Features and Benefits

- ◆ Versatile: HydraShell™ Premium SA meets code requirements for initial tack at 0° F and has a high adhesive melt point at 280° F, making it the most versatile choice for a wide range of products.
- ◆ Next-Generation: HydraShell™ Premium SA has the widest functional temperature range of any self-adhered underlayment, creating a continuous water-shedding surface without nailing.
- ◆ Lighter: HydraShell™ Premium SA is up to four times lighter than competitive products, making it easier to handle during all installation stages.
- ◆ Stronger: HydraShell™ Premium SA is stronger than competitive products, will not delaminate and is resistant to tearing and stretching.
- ◆ Better Coverage: Comes in a 48" net 2 sq roll, saving labor costs and improving coverage.
- ◆ Reliable: Proprietary Fiber Claw™ walking surface offers dynamic steep slope traction.
- ◆ Warranty: Lifetime limited warranty applies to HydraShell™ Premium SA. Contact Marco for more details.

Roll Size

- ◆ 48" X 53.3' (1.22m X 16.25m)

Competitive Information

 HYDRASHELL PREMIUM SA

Other Peel & Stick Underlayment

	HYDRASHELL PREMIUM SA	Other Peel & Stick Underlayment
Thermal Stability	Best	Average
Min. Application Temperature	Lowest	Average
Walking Surface	Excellent	Poor to Average
Weight Per Two-Square Roll	20 lbs	50-70 lbs
Roll Width	48"	36"-40"
UV-Exposure Rating	180 Days	30-90 Day on Average
Back Nailing Required	No	Yes
Necessary to Prime in Colder Weather	No	Yes

Properties

Property	Test Method	Typical Property
Product Width	Internal (inches)	48
Maximum UV Exposure ²	Interval (days)	180
Basis Weight	ASTM D 5261 (lbs/MSF)	100
Thickness	ASTM D 1970 (mils, 0.001")	22
Adhesion to Plywood	ASTM D 1970 (lbf/inch)	6.8
Adhesion Melt Point	ASTM E 28 (degrees Fahrenheit)	280
Flexibility Temperature	ASTM D 1970 (degrees Fahrenheit)	-20
Nail Sealability	ASTM D 1970	Pass



Test data is based on average results and are not limiting specifications. Normal manufacturing variation may produce results 10% above or below typical data and should not be considered or interpreted as minimum or maximum values.

Code & Standard Compliance

- ◆ ICC-ES AC48:
Acceptance Criteria for Roof Underlayment For Use in Severe Climate Areas
- ◆ CSA A220.1:
Installation of Concrete Roof Tile



Value through the Roof.

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ACCESSORIES

RE2 | YETIGUARD™



One element of the Marco WEATHER-TITE™ SYSTEM

Polyethylene Foam Spacer System

Use RE2™ instead of wood spacers to solve common re-roofing problems. RE2 acts as a spacer between the old shingles and the new metal roof, providing air flow and ventilation.

Revolutionary RE2 is manufactured with high density polyethylene foam. Lightweight, strong and won't decay or corrode the metal roof installed over it. RE2 will not warp, which causes the metal to crease.

RE2 is sold in two 150-foot, easy-to-handle rolls. Simply roll it across the old shingled roof, tack it down (with the 50 nails included), and install the metal roof on top.

The initial cost of RE2 is comparable to using wood spacers. It is easy to handle and install and also increases installation efficiency. Does not require heavy tools.

RE2 doesn't warp like wood, resulting in fewer customer callbacks.

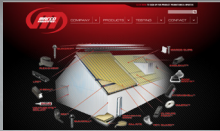


- Eliminate tear-off
- Easy to install
- No more warped wood furring
- Cost comparable to wood, increases profitability
- Will not decay, corrode, or crease metal

Retro Fit

Remove the re-roofing danger, expense and hassle of wood furring with RE2™





FOAM CLOSURES

SEALANTS

VENTILATION

FLASHING

DOORS

FASTENERS

UNDERLAYMENT

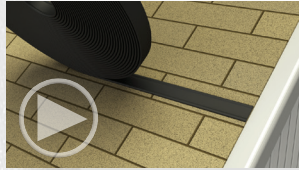


Marco
Weather-Tite®
System
Advantage

With Marco's Rapid Response™ get more of what you need faster and easier. Take advantage of free shipping with low minimum orders. Marco - we're big on customer service and small on hassle. Build it smart. Buy it smarter.

SPECS & EASY INSTALL

See our installation animations online at MarcoIndustries.com



Unroll across existing shingle roof



Tack with staple gun or nails, install metal roof on top



You will need these products also:

METAL ROOF Sealant 

X SEAL Expandable foam tape 

PROPERTY	STANDARD	VALUE
Compressive Strength - Vertical direction (psi)	ASTM D3575-00	3.8
Compression Set (%)	ASTM D3575-00	< 30
Tensile Strength (psi)	ASTM D3575-00, suffix T (md / cmd)	58, 30
Elongation	ASTM D3575-00, suffix T (md / cmd)	86, 60
Tear Resistance (lb/in)	ASTM D3575-00, suffix G (md / cmd)	11, 17
Density Range (lb/ft ³)	ASTM D3575-00	1.5-1.9
Water Absorption (lb/ft ³)	ASTM D3575-00, suffix L	< 0.1
Thermal Stability	ASTM D3575-00, suffix S	< 5%
Contact Corrosivity (Alum. Plate)	Method 3005 FED STD. 101	None
Static Decay (anti-static grade)	EIA STD. 541 Appendix F	< 2 sec.
Surface Resistivity (anti-static grade)	EIA STD. 541, section 4.3	1.0 x 10 ⁹ - 1.0 x 10 ¹²
Thermal Conductivity k-value (BTU-IN / HR-FT ² -°F)	ASTM C518-91	0.35-0.42
Thermal Resistance R - Value (HR-FT ² -°F / BTU)	ASTM C518-91	1.30-1.60

RE2™ represents yet another Marco Industries development in bringing you innovative, higher quality, and more economical products for the building industry.



MarcoIndustries.com

1.800.800.8590





- Highest quality polycarbonate material provides optimal strength
- Reinforced struts for additional holding power
- 1.5" base will fit 95+% of roof panels
- UV Resistant
- Lifetime warranty*

Hold Snow & Ice

Eliminate movement of snow and ice with Yeti Guard

Yeti Guard™ is the practical, low-cost and aesthetically pleasing solution to the problem of sliding snow and ice off of metal roofing.

Featuring a low profile, the forward mounted 3" x 5" snow guard is virtually invisible, UV resistant, and fits most roof panels without rib straddling. Yeti Guards can be mechanically fastened with Marco's QuikGrip metal-to-wood fasteners, QuikDrill

metal-to-metal fasteners, or adhered with Surebond SB-190 adhesive. And, unlike other snow guards, Yeti Guard is made out of highest quality polycarbonate material with reinforced struts, for additional holding power.

Yeti is made in the USA and includes a lifetime warranty. Order with other Marco Weather-Tite™ products today to meet the low minimums required for free shipping.



YETI GUARD™

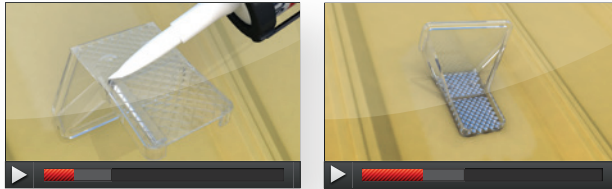
SPECS & EASY INSTALL

See our installation animations online at MarcoIndustries.com



Installation is easy with Surebond and QuikGrip

ADHESIVE APPLICATION



SUREBOND SEALANT
Adhesive sealant for a number of surfaces

MECHANICAL APPLICATION



QUIKGIP™
Metal to wood fastener
14x2"



WEATHER-TITE
Metal roof sealant

FOAM CLOSURES

SEALANTS

VENTILATION

FLASHING

FASTENERS

UNDERLAYMENT



- 3"x5" with 1.5" base
- Clear color
- Holds over 3400 pounds when mechanically fastened (#14 QG)
- UV stable, Lexan® polycarbonate
- Holds over 1300 pounds when attached with adhesive (SB-190)
- Zero hazardous materials and eco-friendly
- Recyclable

YetiGuard™ represents yet another Marco Industries development in bringing you innovative, higher quality, and more economical products for the building industry.

Marco Weather-Tite®
System Advantage

With Marco's Rapid Response™ get more of what you need faster and easier. Take advantage of free shipping with low minimum orders. Marco - we're big on customer service and small on hassle. Build it smart. Buy it smarter.

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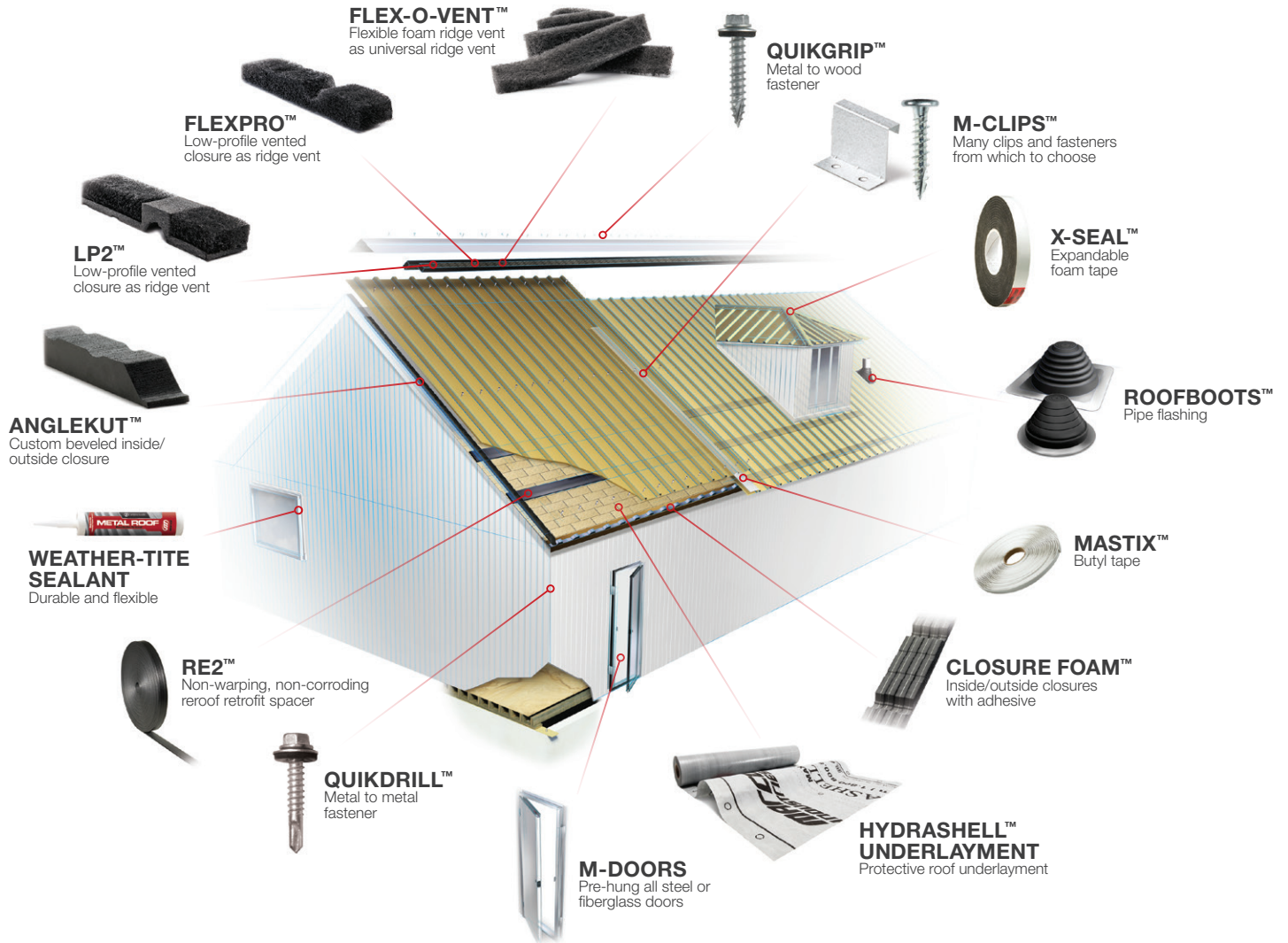


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Marco Industries Canada: 1632 Broder Street | Regina, Sask S4N 7K1 | 1.866.244.7573 | Fax: 1.306.775.0072

Value Through The Roof. Value drives everything we do. That's why we've delivered industry-leading products for more than twenty years. And that's why we developed the Marco Weather-Tite System — a comprehensive *line* of products that offers easy installation, remarkable building ventilation, lower utility costs, extreme durability, and outstanding warranties for your metal roof and wall systems. If you want to build it right, buy it smart. Get more quality, more performance and more value ... from Marco.

The Marco Weather-Tite™ System



Value through the Roof.

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Value through the Roof.