



Roofing Ventilation & Accessories

UNDERLAYMENT





Roofing Ventilation & Accessories

HydraShell™ Max

SUPERIOR SYNTHETIC PROTECTIVE UNDERLAYMENT

When you need a high strength light weight synthetic roof underlayment, HydraShell™ Max is the choice for you. water resistance, a wrinkle-free surface, and resistance to UV-breakdown.



Features:

- ▶ 25 times stronger than Type 15 felt and 12 times stronger than type 30 felt.
- ▶ Requires fewer fasteners and provides a tough, durable deck cover.
- ▶ Stays flexible in cold weather
- ▶ It installs quickly, easier and with less risk. It's lighter and stronger with a larger covering area.
- ▶ Cool gray surface to reduce heat build-up.
- ▶ Won't wrinkle or absorb water.
- ▶ 30 year limited warranty applies to Max. Contact Marco for more details.
- ▶ Designed for use under all types of roofing materials; including: asphalt shingles, synthetic shingles, cedar shakes, and metal

EXPAND YOUR ROOFING SYSTEM PERFORMANCE
PREVENT LEAKS • PROTECT PROPERTY • ASSURE VENTILATION

MAX UNDERLAYMENT

VALUE DRIVES EVERYTHING WE DO

Value drives everything we do. That's why we developed a comprehensive line of ventilation products that offer easy installation, remarkable building ventilation, lower utility costs, extended roof deck life, extreme durability, and outstanding warranties. Get more quality, more performance, and more value...from Marco Industries.™



SPECS:

Roll Dimensions: 40"/300"
Permeability: 0.1 perms
Water Transmission: Pass
Tear Strength: 33lbs 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



You May Also Need:

Roof Boots™ / Weather-Tite™ Metal Roof Sealant

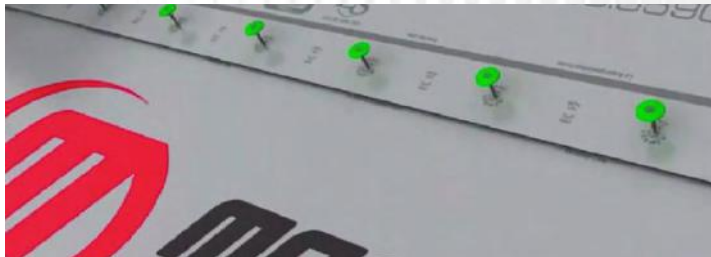
EASY INSTALL

See our installation instructions online at MarcoIndustries.com. HydraShell Max is lighter than felt so its easier to handle. It offers more coverage per roll, and is pre-printed with a nailing pattern for easier installation.



STEP 1:

Lay out horizontally on the eave, printed side up, with 3" horizontal laps and 6" vertical laps.



STEP 2:

Fasten with 1" diameter plastic cap roofing nails or cap staples according to the pre-printed nail pattern.

1.800.800.8590 / Marcoindustries.com

 **MARCO INDUSTRIES™**
Roofing Ventilation & Accessories



HydraShell™ Supreme

DESIGNED TO USE ON STEEPER SLOPE ROOFS

HydraShell™ Supreme has a non-woven walking surface and specially formulated low slip bottom side coating offering a safer installation process.

Features:

- ▶ 20 times stronger than #30 felt, and 12 times stronger than type 30 felt.
- ▶ Less weight per roll. Each 10 square roll weighs less than 26 lbs.
- ▶ Stays flexible in cold weather.
- ▶ It installs quickly, easier and with less risk. It's lighter and stronger with a larger covering area.
- ▶ Cool gray surface to reduce heat build-up.
- ▶ 90-day UV exposure rating.
- ▶ Nonwoven walking surface and specially formulated, low-slip, bottom-side coating.
- ▶ Superior lay-flat properties: won't wrinkle or absorb water.
- ▶ Class A fire rating.

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SUPREME UNDERLAYMENT

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SPECS:

Roll Dimensions: 40"/300"

Permeability: 0.1 perms

Water Transmission (ASTM D4869): Pass

Tear Strength: 38 lbs MD/37 lbs CD

Tensile Strength: 120 lbs MD/115 lbs CD

Burst Strength: 160 psi

Elongation: 20%

Weight Per Square (ASTM D5261): 2.46 lbs

Nominal Thickness (ASTM D1777): 7.5 mils

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



You May Also Need:

Roof Boots™ / Weather-Tite™ Metal Roof Sealant

EASY INSTALL

See our installation instructions online at MarcoIndustries.com. HydraShell Supreme is lighter than felt so its easier to handle. It comes 10 squares to a roll, offering more coverage per roll, and is pre-printed with a nailing pattern for easier installation.



STEP 1:

Lay out horizontally on the eave, printed side up, with 3" horizontal laps and 6" vertical laps.



STEP 2:

Fasten with 1" diameter plastic cap roofing nails or cap staples according to the pre-printed nail pattern.

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Roofing Ventilation & Accessories

HydraShell™ Premium

SUPERIOR SYNTHETIC PROTECTIVE UNDERLAYMENT

Premium offers superior strength and durability, dynamic steep-slope traction for a variety of weather conditions, water resistance, a wrinkle-free surface, and resistance to UV-breakdown.

Features:

- ▶ **STRONGER:** than Type 15 or 30 felt and easier to handle during installation.
- ▶ **LIGHTER:** Up to four times lighter than competitive products, making it easier to handle during all installation stages.
- ▶ **RATED FOR:** commercial & residential applications using plastic caps & roofing nails (3/8" head) for a variety of roofing materials.
- ▶ **SIMPLER TO APPLY:** installs quickly, easier and with less risk. It's lighter and stronger with a larger covering area.
- ▶ **WON'T BUCKLE, WARP OR CRACK:** superior lay-flat properties and water resistance keeps Premium from warping, wrinkling, and cracking in cold weather.
- ▶ **WARRANTY:** Lifetime limited warranty applies to Premium. Contact Marco for more details.
- ▶ **SAFER:** skid-resistant polymer coating and proprietary Fiber Claw™ walking surface offers dynamic traction.
- ▶ **Exposure:** 180-day UV exposure rating.

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PREMIUM UNDERLAYMENT

VALUE DRIVES EVERYTHING WE DO

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PROPERTY	STANDARD	UOM
Thermal Stability	ASTM D 882	MD 41/CD 37
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
Accerlerated Aging	ICC-ES AC 188	Pass

SPECS:

Roll size: 48"x 250' (1.22m x 76.20m)
 ASTM D 226, Type 1 & 2: Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing.

CSA A123.3 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



LIFETIME LIMITED WARRANTY



EASY INSTALL

See our installation instructions online at MarcoIndustries.com. HydraShell Premium is lighter than felt so its easier to handle. It offers more coverage per roll, and is pre-printed with a nailing pattern for easier installation.



STEP 1:
 Lay out horizontally on the eave, printed side up, with 3" horizontal laps and 6" vertical laps.



STEP 2:
 Fasten with 1" diameter plastic cap roofing nails or cap staples according to the pre-printed nail pattern.

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HydraShell™ Supreme SA

**THE BEST CHOICE IN
HIGH-TEMP, EASY TO HANDLE,
SELF-ADHERING UNDERLAYMENT.**

Supreme SA helps to protect a building's deck or internal structure against leaks caused by ice and water damming and wind-driven rain.

Features:

- ▶ Split-back release film peels offer easy installation.
- ▶ Exceptionally durable high tensile/tear strengths.
- ▶ Adheres to a variety of substrates.
- ▶ Polymer-modified asphalt gives excellent pliability.
- ▶ Cool gray surface to reduce heat build-up.
- ▶ 90-day UV exposure rating.
- ▶ Helps to protect structures against leaks caused by ice and water damming and wind-driven rain.
- ▶ Provides superior leak protection for all areas of a standard roof.
- ▶ 30-year limited warranty.

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SUPREME SA UNDERLAYMENT

VALUE DRIVES EVERYTHING WE DO

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SPECS:

Roll Dimensions: 36"/67'
Roll Weight: 55lbs
Area Per Carton: 201 ft²
Cartons Per Pallet: 25
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 | ASTM D4869 | CSA A 123.22



You May Also Need:

Roof Boots™ / Weather-Tite™ Metal Roof Sealant

EASY INSTALL

See our installation instructions online at MarcoIndustries.com. HydraShell Supreme SA features a split-back release film that peels off for easy installation. The clean, easy-to-handle, self-adhering application makes installation quick and efficient.



STEP 1:

Tack/secure the end of the roll with a nail.
Unroll the membrane 3-6 feet.



STEP 2:

Carefully remove the upper release liner, align the membrane and continue to peel the release liner from the membrane in place with **heavy hand or roller pressure**.



STEP 2:

When finished with the desired length, repeat the process at the starting point by removing the remaining poly release film and pressing the membrane in place with heavy hand or roller pressure. Slide laps (horizontal laps) must be a minimum of 3" and end laps a minimum of 6".

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Roofing Ventilation & Accessories

HYDRASHELL™ AIRX-30

with Sahara Technologies

BREATHABLE SYNTHETIC ROOF UNDERLAYMENT

HydraShell AIRX-30 is a premium multi-layered structure with a slip-resistant textured top surface combined with our advanced breathable Moisture Release Technology (MRT). MRT actively assists in drawing trapped moisture from within the roof system and releasing it to the outside air.

Features & Benefits

- ▶ All temp. All weather performance; remains flexible and easy to install in freezing or extremely hot conditions (-40°F to 240°F)
- ▶ Minimizes stretching around fasteners with no blow-offs!
- ▶ Meets the performance requirements of CAN/CSA A220.1 and CAN/CSA A123.3 synthetic underlayment.
- ▶ Meets ASTM D226 Type I and II and ASTM D4869 Types II & IV.
- ▶ Class A Fire Rating - ASTM E108
- ▶ Moisture Release Technology
- ▶ Excellent water resistance
- ▶ High strength to weight ratio
- ▶ Minimizes stretching around fasteners with no blow-offs!
- ▶ Limited Lifetime Warranty

EXPAND YOUR ROOFING SYSTEM PERFORMANCE
PREVENT LEAKS • PROTECT PROPERTY • ASSURE VENTILATION



HydraShell AIRX-30

Using AIRX-30™ breathable underlayment allows roof decks that have been exposed to rain or snow during construction to dry after the primary roof has been installed. Breathability is key to preventing mold, mildew and possible structural damage. Specifying AIRX-30™ breathable underlayment gives you the competitive edge by providing your clients the confidence and security they are looking for to compliment their premium lifetime warranty roofing system. AIRX-30's textured slip-resistant walking surface provides superior steep-slope walkability, productivity, comfort and increased safety for roofers. AIRX-30™ is designed for use under asphalt shingles, concrete and clay tiles, all metal panels, synthetic shingles and primed cedar shakes. AIRX-30™ meets all the code requirements including ASTM D226, ASTM D4869 and AC 188 as required by ICC-ES.

Test/Standard*	Typical Value
Tensile Strength ASTM D5034	MD 85 lbs (38.5kg) CD 70 lbs (31.7 kg)
Tear Strength ASTM D4533	MD 32 lbs (14.5 kg) CD 25 lbs (11.3 kg)
Liquid Water Transmission ASTM D4869	Pass
Fire Rating ASTM E108	Class A
Puncture Resistance ASTM D751	150 Psi
Permeability (MVTR) ASTM E96	8 Perms
UV Exposure Period ASTM G154	6 Months
Temperature Range	-40° F to 240° F



Roll/Pallet Specs

Length per roll: 250' / 76.2 m
 Width per roll: 48" / 1.2 m
 Weight per roll: 28 lbs / 12.7 kg
 Roll size: 10 sq / 93 m²
 Rolls per pallet: 25
 Weight per pallet: 1230

*Test data is based on average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications. All values ± 10 %. This product is manufactured in accordance with national standards which allow for non-critical variances in weights and measures.
 †When correctly installed as per installation instructions. All product installation instructions are available to download or view from our website.

**Switch to AIRX-30
and start saving on
labor, time & money.
Contact us today!**



Roofing Ventilation & Accessories



HYDRASHELL™ MAX-GRIP

A DURABLE UNDERLAYMENT WITH MAXIMUM SURFACE GRIP

MAX-GRIP is a high-performance, self-adhesive roofing underlayment, designed for superior protection against ice and water intrusion.

Engineered with a granulated surface that provides enhanced traction and a firm, confident feel underfoot. The under surface is an easily detachable silicon based release film covering a highly adhesive layer of asphalt.

Features & Benefits

- ▶ **Conforms to** CSA A123.22-08 and ASTM D1970.
- ▶ **Excellent** adhesion to multiple substrates.
- ▶ **Product performance** tear and puncture resistant, rot resistant.
- ▶ **Moisture** vapour barrier.
- ▶ **Size Structor** good dimensional stability.
- ▶ **High** flexibility.
- ▶ **Split** release film for easy application.
- ▶ **Standards** complies with the standards of ASTM D1970 and CSA A123.22-08.
- ▶ **Protects Against** ice and water intrusion that may damage the roofing system.

EXPAND YOUR ROOFING SYSTEM PERFORMANCE
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HydraShell Max-Grip

MAX-GRIP is a self-adhesive roofing underlayment constructed of a glass mat carrier coated with our popular blend of SBS polymers, premium asphalt, and additives that gives the membrane the perfect combination of durability and flexibility. **MAX-GRIP** top surface is a sanded layer, and the under surface is an easily detachable siliconbased release film covering a highly adhesive layer of asphalt. **MAX-GRIP** is used as an underlayment on high-sloped roof decks to protect against ice and water intrusion that may damage the roofing system. The sheet is highly effective against possible ridge build-up of ice dams on rakes, eaves, and valleys of steep roofs.

PHYSICAL PROPERTIES

Dimensions	36" x 65'
Nominal Thickness	1.1 mm 43 mils
Nominal Weight	25 kg 55 lbs
No. on Pallet	30 Rolls

Top Surface	Sand
Bottom Surface	Split Release Film
Gross Coverage	18 m ² (197 sqft)
UV Exposure	17m ² (179 sqft)

TEST STANDARDS

TEST PROPERTY	REQUIREMENTS	TEST METHOD
Maximum Load (L, T)	4.4 KN / m	ASTM D2523
Elongation at Break (L, T)	10%	ASTM D2523
Adhesion to Plywood at 4°C, min	0.92 kg/30.5 cm	ASTM D903
Adhesion to Plywood at 23°C, min	5.44 kg/30.5 cm	ASTM D903
Thermal Stability	3 mm	ASTM D1204
Flexibility Temperature	-29 °C	ASTM D1970
Tear Resistance (L, T)	89 N	ASTM D4073
Waterproof Integrity of Lap Seam	Pass	ASTM D1970
Sealability Around Nail	Pass	ASTM D7349
Moisture Vapour Permeance, max	5.7 ng/Pa.S.M ²	ASTM E96
Slip Resistance	Pass	ASTM D1970



Roll/Pallet Specs

Length per roll: 65'
Width per roll: 36"
Weight per roll: 55 lbs
Roll size: 36" x 65'
Rolls per pallet: 30
Weight per pallet: 1650 lbs

This Technical Data is the average result of tests, measurements, and trials carried out by MARCO's own laboratory in accordance to international standards such as ASTM, BS, and UEAtc. acceptable deviation according to UEAtc. Nothing contained within the technical tables is represented by a warranty or guarantee for which MARCO can be held legally responsible.

Switch to MAX-GRIP
and experience better
roofing safety with
your underlayment.
Contact us today!



Roofing Ventilation & Accessories

HYDRASHELL™ WEATHER-TITE HT



**EXPERIENCE SUPERIOR
DURABILITY AND PROTECTION
IN ALL WEATHER CONDITIONS**

Weather-Tite HT is specifically formulated for high-temperature roofing applications, making it the perfect underlayment for metal roofs, asphalt shingles, and other steep-slope roofing systems. It is particularly effective in regions with high solar exposure or where metal roofing is preferred.

Features & Benefits

- ▶ **Conforms to:** CSA A123.22-08 and ASTM D1970.
- ▶ **Superior Adhesion** exceptional bitumen-to-bitumen adhesion for watertight seams.
- ▶ **Product performance:** tear and puncture resistant, rot resistant.
- ▶ **High-Temperature Resistance:** Capable withstanding temperatures up to 125°C (257°F) ideal for metal roofing systems.
- ▶ **Split release film** for easy application.
- ▶ **Slip-Resistant Surface:** The anti-slip film provides a safer working surface, even in challenging conditions.
- ▶ **UV Resistant Surface:** Enhanced UV-resistant formulation allows for prolonged exposure to sunlight for up to 12 months without degradation.
- ▶ **Weather-Tite HT Lap Seal:** Engineered over-lap seal, that ensures a superior leak proof seal that will protect the life of your roof.

**DOUBLE SIDED
ADHESIVE
LAP SEAL**



EXPAND YOUR ROOFING SYSTEM PERFORMANCE
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HydraShell Weather-Tite HT

Weather-Tite HT is a premium-grade, high-temperature self-adhering roofing underlayment engineered for superior durability and performance. Designed to withstand extreme conditions, this underlayment provides robust protection beneath metal roofs and asphalt shingles. The advanced anti-slip top surface ensures safe and efficient application, while the bottom layer features a high-tack, asphalt-based adhesive with a split-release liner for easy installation.

PHYSICAL PROPERTIES

Dimensions	0.915x20m 36" x 65'
Nominal Thickness	1.2 mm 48 mils
Nominal Weight	26.5 kg 58 lbs
No. on Pallet	30 Rolls

Top Surface	Anti-Slip
Bottom Surface	Split Release Film
Gross Coverage	18.3 m ² 197 sqft
UV Exposure	12 months

TEST STANDARDS

TEST PROPERTY	REQUIREMENTS	TEST METHOD
Compound Stability	> 125°C (257°F)	ASTM D36
Maximum Load (L, T)	4.4 KN / m	ASTM D2523
Elongation at Break (L, T)	10%	ASTM D2523
Adhesion to Plywood at 4°C, min	0.92 kg/30.5 cm	ASTM D903
Adhesion to Plywood at 23°C, min	5.44 kg/30.5 cm	ASTM D903
Thermal Stability	3 mm	ASTM D1204
Flexibility Temperature	-29° C (20°F)	ASTM D1970
Tear Resistance (L, T)	89 N	ASTM D4073
Waterproof Integrity of Lap Seam	Pass	ASTM D1970
Sealability Around Nail	Pass	ASTM D7349
Moisture Vapour Permeance, max	5.7 ng/Pa.S.M ²	ASTM E96
Slip Resistance	Pass	ASTM D1970

Roll/Pallet Specs

Length per roll: 65'
Width per roll: 36"
Weight per roll: 55 lbs
Roll size: 36" x 65'
Rolls per pallet: 30
Weight per pallet: 1650 lbs

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Switch to **Weather-Tite HT and experience superior durability in extreme weather conditions and robust protection for your roof. Contact us today!**

Smart Starter

DOUBLE SIDED - SELF ADHESIVE TAPE

PRODUCT DESCRIPTION

Smart Start Tape is a high-performance, SBS-modified double-sided self adhesive tape engineered to enhance the initial stages of roofing installation. Specifically designed for application around the eaves, **Smart Start Tape** provides a superior alternative to traditional starter shingles by creating a secure base that ensures watertight integrity from the outset. This product effectively establishes a durable bond for subsequent ice and water shields.

FEATURES AND BENEFITS

- ▶ **Double-Sided Adhesive:** Extra-tacky adhesive on both sides ensures a robust and reliable seal between the underlayment and shingle, preventing water infiltration.
- ▶ **High Flexibility:** The SBS-modified composition allows for easy application around corners and irregular surfaces, accommodating various roof designs.
- ▶ **Dimensional Stability:** Engineered to maintain its shape and effectiveness under thermal stress, ensuring consistent performance.
- ▶ **Puncture Resistance:** Resilient construction resists damage during installation and protects the roof system over time.

APPLICATIONS

Smart Start Tape is an ideal solution for roofing professionals seeking an efficient and reliable alternative to traditional starter shingles. It is particularly well-suited for use in environments where a secure and watertight bond is critical from the start of the installation process.

EXPAND YOUR ROOFING SYSTEM PERFORMANCE
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SMART START TEST STANDARDS

PHYSICAL PROPERTIES

Dimensions	0.22x20m • 8.5" x 65'
Nominal Thickness	1.2 mm • 48 mils
Nominal Weight	9 kg • 20 lbs
Tapes / Box	Tapes

Boxes / Pallet	24
Top Surface	Release Film
Bottom Surface	Release Film
Gross Coverage	4.4 M2 • 47.4 SQFT

TEST STANDARDS

TEST PROPERTY	REQUIREMENT	TEST METHOD
Compound Stability	> 115°C (240°F)	ASTM D36
Maximum Load (L, T)	4.4 KN / m	ASTM D2523
Elongation at Break (L, T)	10%	ASTM D2523
Adhesion to Plywood at 4°C, min	0.92 kg/30.5cm	ASTM D903
Adhesion to Plywood at 23°C, min	5.44 kg/30.5cm	ASTM D903
Thermal Stability	3 mm	ASTM D1204
Flexibility Temperature	-29°C (-20°F)	ASTM D1970
Tear Resistance (L, T)	89 N	ASTM D4073
Waterproof Integrity of Lap Seam	Pass	ASTM D1970
Sealability Around Nail	Pass	ASTM D7349
Moisture Vapour Permeance, max	5.7 ng/Pa.S.M ²	ASTM E96
Slip Resistance	Pass	ASTM D1970

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