

UNDERLAYMENT



HYDRASHELL MAX

SYNTHETIC ROOF UNDERLAYMENT



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.

- 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
- Made in the USA

30
YEAR
LIMITED WARRANTY



HYDRASHELL
MAX



Roofing Ventilation & Accessories

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

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



You May Also Need

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

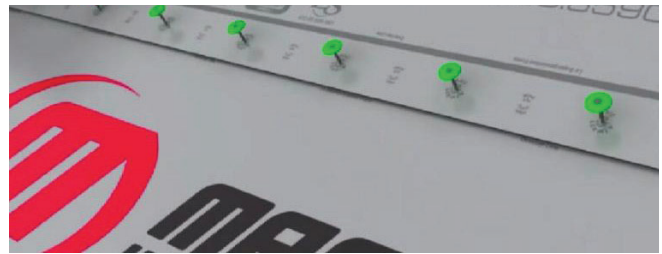
Easy Install

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.



Roofing Ventilation & Accessories

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HYDRASHELL SUPREME

HIGH-PERFORMANCE SYNTHETIC ROOF UNDERLAYMENT



The superior 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.

- 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
- Made in the USA

LIFETIME
LIMITED WARRANTY

HYDRASHELL
SUPREME



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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



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 it's 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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HYDRASHELL PREMIUM

SUPERIOR SYNTHETIC ROOF UNDERLAYMENT



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.

- 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 up to four times lighter than competitive products, making it easier to handle during all installation stages.
- 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: Superi-

or 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.



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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



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

HT SELF-ADHERING SYNTHETIC ROOF UNDERLAYMENT



The best choice in high-temp, easy-to-handle, self-adhering applications. As Marco's superior underlayment, this peel and stick, self-adhering solution provides superior leak protection. HydraShell Supreme SA helps to protect a building's deck or internal structure against leaks caused by ice and water damming and wind-driven rain.

HydraShell Supreme SA is a peel and stick, self-adhering solution that provides superior leak protection for standard roofing areas plus valleys, ridges, coping joints, chimneys, vents, formers,

skylights and low-slope sections. Exceptionally durable and pliable, HydraShell Supreme SA adheres to a wide variety of substrates. The split-back release film peels off easily to simplify installation, while a cool-gray surface to reduce heat build-up and a 90-day UV exposure rating for extended installation periods eases the process as well.

- Split-back release film peels offer 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

30
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SUPREME SA



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Specs

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



Made with Recycled Material



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. Stop frequently to press the membrane in place with heavy hand or roller pressure.



Step 3 :

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. Side laps (horizontal laps) must be a minimum of 3 inches and end laps a minimum of 6 inches.



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HYDRASHELL PREMIUM SA

SUPERIOR SELF-ADHERING SYNTHETIC ROOF UNDERLAYMENT



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.

- **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.



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COMPETITIVE INFORMATION	HYDRASHEL 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 Days on Average
Back Nailing Required	No	Yes
Necessary to Prime in Colder Weather	No	Yes

Specs

Product Width Internal: 48 inches Maximum UV Exposure Interval: 180 Days
Basis Weight: ASTM D 5261, 100 lbs/MSF
Mil Thickness: ASTM D 1970, 22 mils, 0.001")
Adhesion to Plywood: ASTM D 1970, 6.8 lbf/inch
Adhesion Melt Point: ASTM E 28, 280 degrees fahrenheit
Flexibility Temperature: ASTM D 1970, -20 degrees fahrenheit
Nail Sealability: ASTM D 1970, Pass
CSA A220.1: Acceptance criteria for Roof Underlayment for use in severe climate areas
CSA A220.1: Installation of concrete roof tile



Easy Install

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Step 1:

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Step 2:

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



Step 3:

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. Side laps (horizontal laps) must be a minimum of 3 inches and end laps a minimum of 6 inches.



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