

BENJAMIN OBDYKE roof & wall products

Weatherization **Protection Systems**

a guide for high performance exteriors

benjaminobdyke.com | 800.523.5261

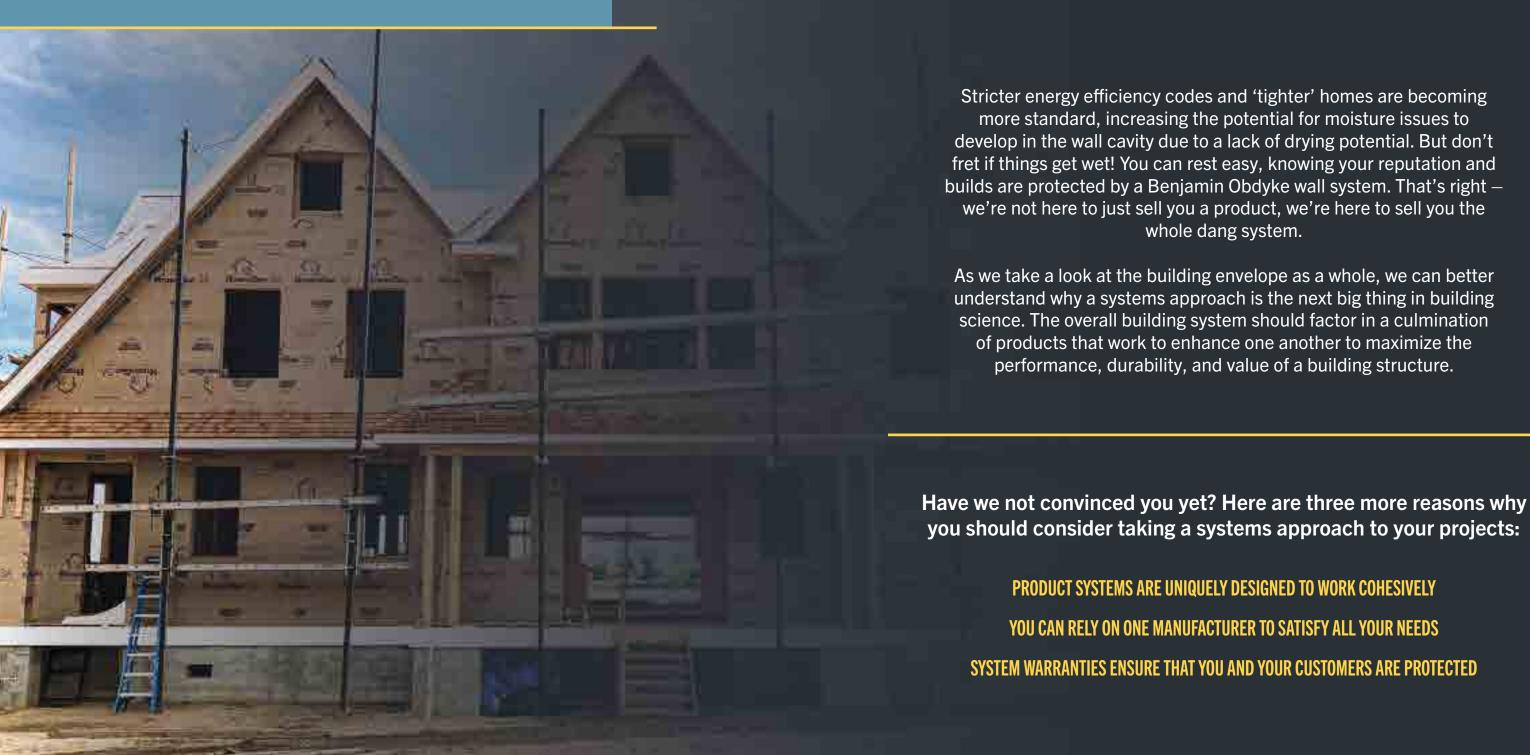


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OBDYKE HAS YOU COVERED

PRODUCT & SYSTEM RESIDENTIAL WARRANTIES

The evolution of building science now requires us to look at the building envelope as a whole — and for good reason, too. The drive for energy efficiency and tighter homes has created new issues with moisture as wall cavities fail to dry out, highlighting the importance of considering how each design and product element impacts the performance of the others. The overall building system should factor a culmination of products that work together to enhance one another to maximize performance, durability, and value of a building structure. That's why at Benjamin Obdyke, we not only develop these products, but we also keep in mind how they best combine into an ideal system.



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BEN MANCE WRB









code minimum

easy install

vapor permeable

BenWrap™ | HydroFlash® | Accessories

HOUSEWRAP PROTECTION SYSTEM

basic wrb protection

Building science is evolving, but one thing is still clear: housewrap is necessary. We believe that even a basic flat weather-resistant-barrier has an opportunity to shine. So if you're approaching your next project with a "back to basics" approach, we've got the right housewrap system to offer maximum performance in a competitively-priced package.

Enter BenWrap[™] - the WRB component in our housewrap system. BenWrap[™] is everything you're looking for in WRB performance: top-notch water resistance, permeability, and tear strength.

NOT SO BASIC, AFTER ALL!

This system is ideal for low rainfall areas, or paired with vinyl siding applications where there's a low risk of moisture damage. However, if you're looking to up your protection game, this system also plays well with others - particularly our rainscreen products.

Scan the QR code to learn more about the Housewrap Protection System





CORNERS: MIN.

8



BENWRAP[™]

formerly known as FlatWrap® HF

HIGH PERFORMANCE WRB

BenWrap™ is a high performance water-resistive barrier (housewrap). When used in conjunction with a rainscreen wall assembly, it provides superior bulk water drainage, exceptional vapor permeability and durability.

BenWrap™ is a perfect complement to Benjamin Obdyke rainscreen products as the WRB component in a rainscreen wall system. It can also be paired with HydroGap® Drainable housewrap, as the required secondary layer in stone or stucco applications.



premium tri-laminate wrb provides proven durability

effective, economic wrb behind vinyl siding

superior tear & wind load resistance

no seam tape required



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removes bulk water

install

We don't believe "one size fits all" when it comes to exterior moisture protection. That said, if we had to pick one system to be stranded with on a desert island – it would be this one. A housewrap with premium WRB characteristics, plus a true drainage gap for the removal of bulk water, the HydroGap Drainable Housewrap System is an easy 'go-to'. Not quite a rainscreen, but more than a basic WRB,

HydroGap is a versatile solution to ensure water escapes quickly from the wall system.

The drainable housewrap system is ideal for projects that use composite or fiber cement siding.

In fact, many of these siding manufacturers recommend or require drainable housewrap in their installation guides. HydroGap drainable housewrap technology paired with the HydroFlash family of high-performance flashing options easily adds durability to your wall system for only a few cents upgrade per square foot over a standard WRB.

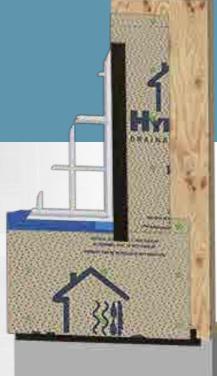
permeable

HydroGap® Drainable Housewrap | HydroFlash® | Accessories

DRAINABLE HOUSEWRAP PROTECTION SYSTEM

versatile system for most applications





Scan the QR code to learn more about the Drainable **Housewrap Protection System**





In our lab, we tested our patented HydroGap drainable housewrap against three other leading WRBs on the market to see who would win the time-to-drain race. Spoiler alert: HydroGap was the clear winner, and the results weren't even close. The one-millimeter gap we've created in our product allows for bulk water to move through the assembly as quickly as possible. It's time to put moisture-related building envelope failures behind you. It's time to get behind the (Hydro)Gap.

Want to see the real-world test? Scan the QR code below!

We think NOT!

DOES DRAINAGE EFFICIENCY TELL THE WHOLE STORY?

Between ASTM standards and requirements set forth by cladding manufacturers, you're probably not a newbie to drainage efficiency. But for those of you who aren't total rule followers, let us give you a quick refresh. An example of this would be if you're facing a requirement of 90% drainage efficiency, you should be able to pour ten ounces of water into the assembly and expect nine ounces to exit from the bottom. If your WRB meets the drainage efficiency requirement, you might be tempted to write a big fat check mark and move on. But we're here to tell you to stop settling for the bare minimum! Yes – drainage efficiency is important; however, it only accounts for how much leaves the assembly rather than how fast it does — which is just as crucial. When looking at how quickly the water exits the wall cavity, we need to observe the time it takes to drain.



TIME-TO-DRAIN vs. DRAINAGE EFFICIENCY

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1mm compression resistant spacers assure a continuous & efficient

drainage gap

the tri-laminate substrate provides a water holdout layer, protected by two non-woven layers

removes 100x more bulk water from wall versus standard housewraps

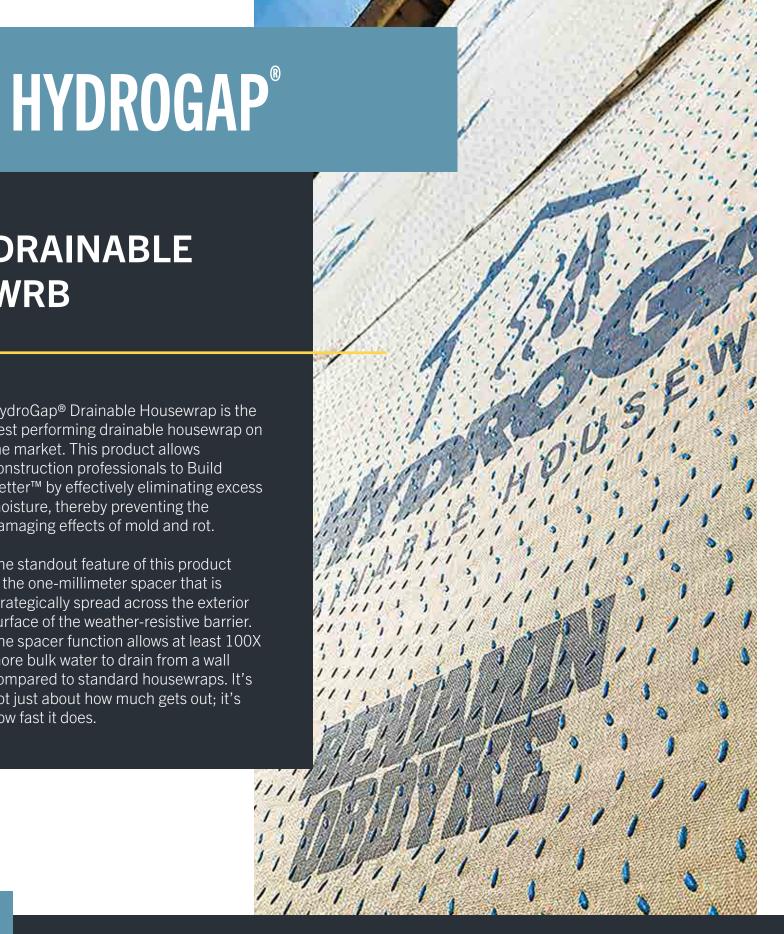
omni-directional design allows hydrogap to be installed in any direction

DRAINABLE

WRB

HydroGap® Drainable Housewrap is the best performing drainable housewrap on the market. This product allows construction professionals to Build Better[™] by effectively eliminating excess moisture, thereby preventing the damaging effects of mold and rot.

The standout feature of this product is the one-millimeter spacer that is strategically spread across the exterior surface of the weather-resistive barrier. The spacer function allows at least 100X more bulk water to drain from a wall compared to standard housewraps. It's not just about how much gets out; it's how fast it does.





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THE GOLD STANDARD OF ADHESIVES

If you're new here, there's one thing you need to know:

ONCE YOU GO ACRYLIC, THERE'S NO GOING BACK

In the past, butyl and ashpalt based adhesives were the go-to products, but acrylic-based technology is becoming the new gold standard.





As building science evolves, the products and techniques we use evolve too. In the building products space, one of the most recent and notable advancements is adhesive technology in flashing. While butyl- and asphalt-based adhesives used to be the go-to products, newer, acrylic-based technology are becoming the gold standard.

Understanding the differences between the main types of adhesives can help builders and contractors determine the right choice for their projects. Some of the most important factors to consider include climate zone/temperature, probability of moisture intrusion, budget, efficiency, and quality of the product.

SCAN THE QR CODE TO WATCH BENJAMIN OBDYKE'S ACRYLIC ADHESIVE IN ACTION



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100% continuous acrylic adhesive technology provides true sealing around fasteners

1mm spacers create true drainage - removes bulk water 2x faster than other WRBs

advanced acrylic adhesive technology allows hydrogap sa to be repositionable prior to pressure

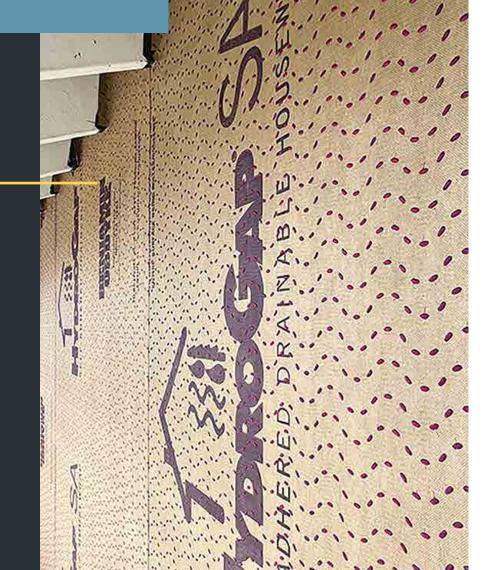
adheres to osb, cdx, plywood, preweatherized sheathing, & cmu without the use of a primer

HYDROGAP® SA

SELF-ADHERED DRAINABLE WRB

HydroGap® SA is the first and only self-adhered WRB to incorporate a true drainage space. As one of the best housewraps on the market, HydroGap® SA reduces the risk of moisture damage by keeping walls dry. The self-adhered component of this product helps limit the amount of air that passes through the membrane.

The 1mm spacer technology combined with a fully continuous, breathable, acrylic adhesive create an unmatched air and moisture barrier. Additionally, this drainable housewrap has a mesh-like material that increases the tear resistance and improves the flexibility and stretch of the product when tension is applied. The features, benefits, and ease of installation make HydroGap SA a favorite among contractors for residential and multi-family builds.



est lest letter and and











dries behind cladding

removes bulk water

easy install

vapor permeable

maximum protection

Slicker® Rainscreens | Obdyke WRBs | HydroFlash® | Accessories

RAINSCREEN PROTECTION SYSTEM

optimum drainage & drying performance

The rainscreen system for siding is ideal for high-wind driven rain areas and behind absorptive claddings, like wood and fiber cement siding. The 1/4" ventilated space of Slicker requires planning, budget, & allocation, but a rainscreen upgrade is a small premium to provide protection, durability, and longevity for your exterior cladding investment.

Our Slicker® rainscreen system is the most robust solution you'll find if you're looking for maximum protection and durability for your wall system. The Slicker family of rainscreens provide drainage and at least a 1/4" ventilated space for drying capacity behind the siding.

Scan the QR code





Scan the QR code to learn more about the Rainscreen Protection System

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eliminates deteriorating effects of mold & rot between the siding and sheathing

reduces the chances of premature peeling or blistering of finishes

maximizes the drying potential - creates space between siding & the wrb

saves time & labor costs by eliminating furring strips

SLICKER[®] CLASSIC

THE O.G. **OF ROLLED RAINSCREENS**

The vertically-channeled, three-dimensional matrix of Slicker® Classic provides a continuous space for drainage and drying, a thermal break, and pressure equalization eliminating the threat of trapped moisture.

Slicker® Classic rainscreen has patented vertical channels that offer extra protection behind cladding or siding to keep water out of the wall assembly. This rainscreen product can be used without furring strips, making it a more time- and cost-efficient choice. Protect your project from moisture with a reliable water management system.





SLICKER® MAX

MAXIMUM UV + COMPRESSION RESISTANCE

Slicker® MAX is a vertically channeled rainscreen with a filter fabric, providing enhanced UV and compression resistance. The premium fabric blocks mortar droppings from seeping into the cavity formed by the three-dimensional matrix and adds compression strength. This rainscreen is ideal for providing drainage and ventilation behind fiber cement, stone veneer, and stucco applications.

filter fabric serves as a "sacrificial layer" in stone & stucco applications

additional fabric layer provides extra uv protection & compression resistance

maximizes the drying potential - creates space between siding & the wrb

saves time & labor costs by eliminating furring strips



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resistance

fastener sealability

tightness

dries behind cladding

vapor permeable

maximum protection

InvisiWrap® | Batten UV | HydroFlash® UV+ | Accessories

ENHANCED UV RAINSCREEN PROTECTION SYSTEM

ideal system for open joint cladding

You've seen this growing trend. OPEN siding... exotic hardwoods, composite decking-as-cladding, reclaimed barnwood—it seems to be popping up everywhere. If you're considering hopping on the open joint bandwagon, make sure to use a weatherization system that's designed to handle long-term UV exposure. Building paper or felt will not cut the mustard for these exposed wall systems.

Enter the sleek, unprinted, all black, UV-rated rainscreen system. A trifecta of UV resistance – InvisiWrap housewrap, HydroFlash UV+ flashing, and Batten UV rainscreen. These products work together to provide 25+ years of UV exposure behind open siding and can be left completely exposed for a full year ahead of cladding install.

Scan the QR cod to learn more about the Enhanced **UV Rainscreen Protection System**





100% continuous acrylic adhesive technology provides true sealing around fasteners

rated for 12 month uv exposure before siding installation

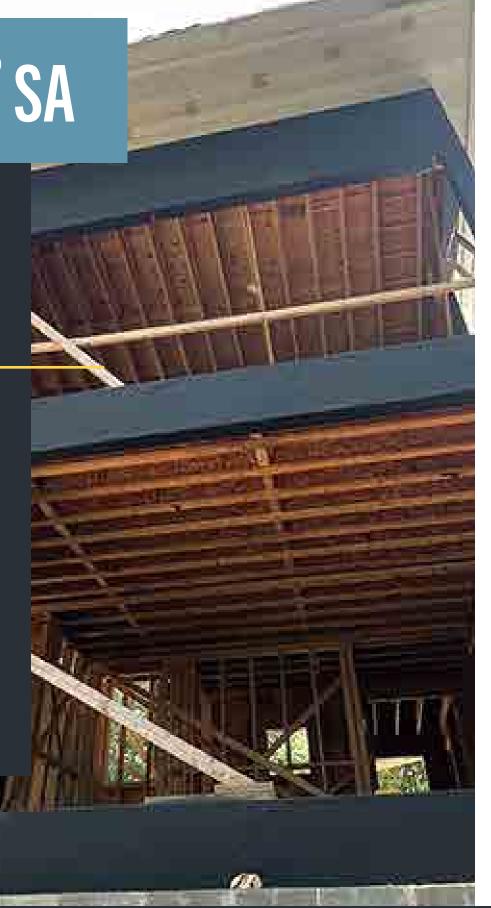
protects open joint assembly up to a 2 inch space adheres to osb, cdx, plywood, preweatherized sheathing, & cmu without the use of a primer

INVISIWRAP® SA

AIR SEAL + MAXIMUM UV PROTECTION

The UV protection of InvisiWrap® UV meets the durability and high performance adhesion & permeability of HydroGap® SA to create InvisiWrap® SA.

InvisiWrap® SA is designed for use with architectural projects that incorporate "open joint cladding." When used in conjunction with a rainscreen, it provides superior bulk water drainage, exceptional vapor permeability, and long-lasting durability for the building envelope. The self-adhered component of this product helps limit the amount of air that passes through the membrane.





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INVISIWRAP® UV

ENHANCED UV PROTECTION

InvisiWrap® UV is specially designed for use with architectural projects that incorporate "open joint cladding." This black housewrap enhances the aesthetic appeal to open joint architecture and boasts protection properties that allow 12 months of UV exposure. When used in conjunction with a rainscreen, it provides superior bulk water drainage, exceptional vapor permeability, and long-lasting durability for the building envelope.

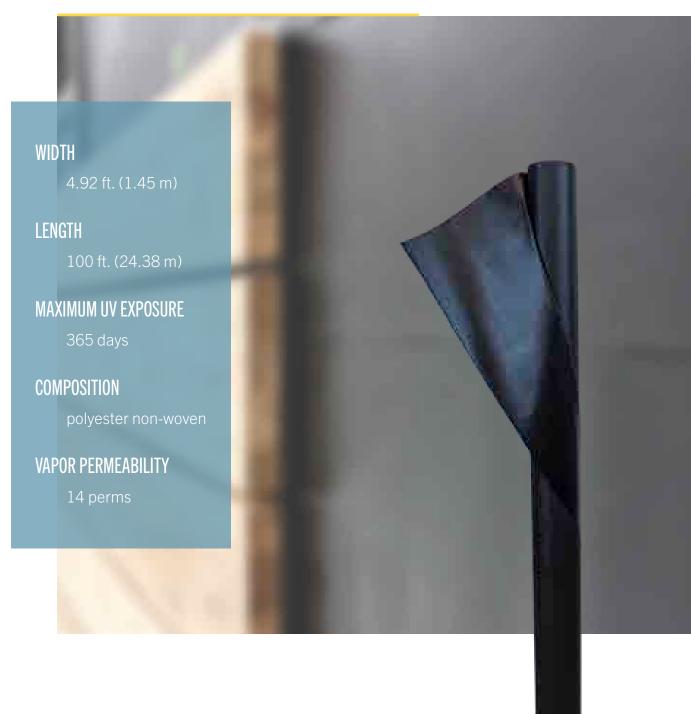
Unlike other standard housewraps, this UV-resistant WRB is tough and will stand up to the elements. If you plan to have open siding in your next project, this black housewrap is essential to build a weatherization system that will last.

boasts superior tear strength & water holdout

rated for 12 month uv exposure before siding installation

protects open joint assembly up to a 1 inch space

exceeds the requirements of AC-38



permeability rating of 4, allowing just enough moisture to dry through to the exterior

rated for 12 month uv exposure before siding installation

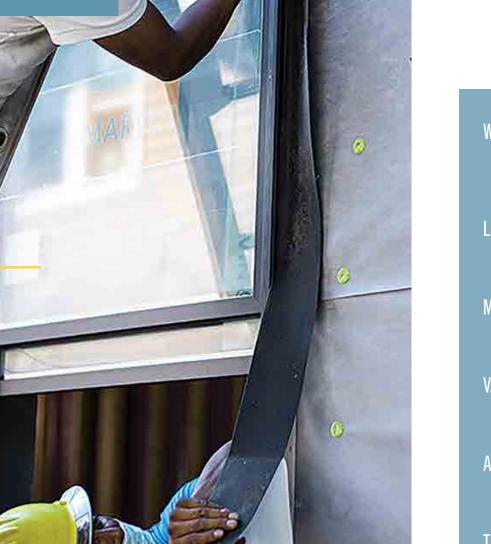
suitable for any climate, works well in extreme environments

high-performance acrylic adhesive offers premium durability & stickability

ENHANCED ADHESION FOR EXTREME CONDITIONS

HYDROFLASH® UV+

HydroFlash® UV+ is a unique, high-performance tape that offers breathability without sacrificing long-term adhesion. Reducing potential for condensation build-up and moisture damage, this "European-grade" tape offers a vapor permeable, acrylic adhesive paired with a uv-resistant durable facer. HydroFlash UV+ is a premium flashing solution for use with all housewraps, but also meets long-term UV exposure requirements for open joint siding applications



WIDTH 2.3 in. (60 mm), 4 in. (100 mm) 6 in. (150 mm), 9 in. (230 mm) LENGTH 82 ft. (25 m) MAXIMUM UV EXPOSURE **VAPOR PERMEABILITY ADHESIVE** TEMPERATURE RANGE install down to 25°F,

BATTEN UV

ELIMINATE FURRING STRIPS

Batten UV is designed to be UV stable and performs excellently in all open joint cladding applications. The compression resistant design is ideal for supporting the installation of various claddings, including composite decking used as a siding material.

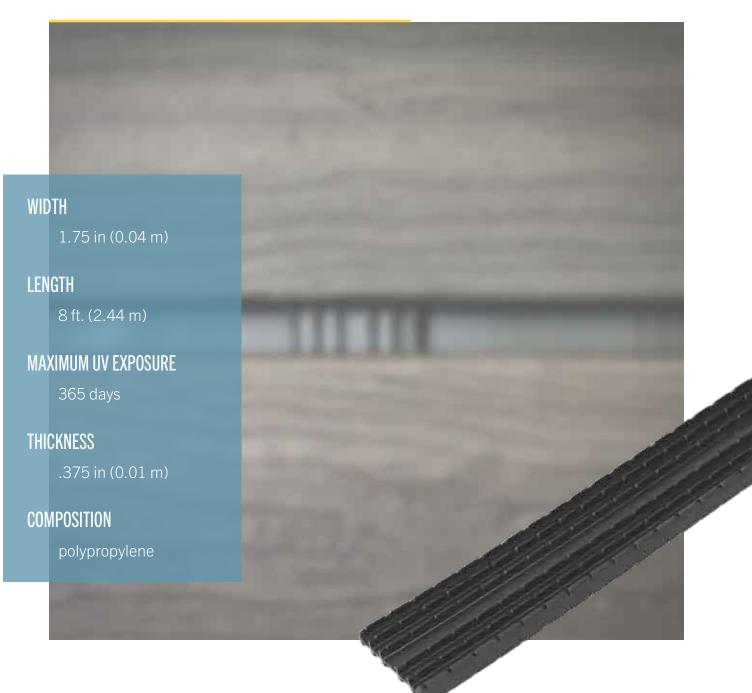
The notched design provides multi-directional airflow and drainage for open joint cladding rainscreen applications, ensuring the wall cavity stays dry. Batten UV boasts a compression resistance that's on par with traditional wood furring strips; however, because it is made with polypropylene, the strips are durable and flexible - even in cold temperatures - and aren't susceptible to moisture and rot like wood furring strips.

rated uv stable for open joint applications

offers compression resistance on par with traditional wood furring strips

does not compress in screw-fastened applications of composite siding

8-foot lengths for easier and faster installation -400 linear feet per carton



















permeable

resistance

sealability

tightness

cladding

high service temperature protection

protection

VaporDry® SA | Cedar Breather® | Accessories

WOOD & METAL ROOF PROTECTION

high-performance roof protection

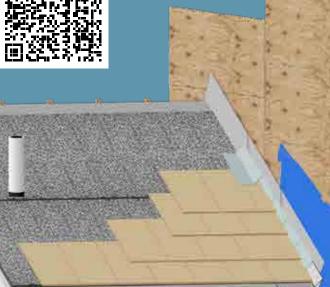
standards changed dramatically since they were first installed on a roof. In spite of these changes, there remains an opportunity to install beautiful cedar & metal roofs that will stand the test of time.

There's nothing quite like the aesthetic of authentic, cedar & metal roofs. Building practice and living

The wood & metal roofing protection system marries two key products: Cedar Breather Roof Ventilation Mat and the new gold standard of self-adhered protection - VaporDry® SA. Together, these products provide a ventilated space beneath the wood and metal roof, and optimum drying potential on the roof sheathing - allowing the roofing material and sheathing to live a long, durable life.

Scan the QR cod to learn more about the **Wood & Metal Roof Protection**





THE FUTURE OF ROOF PROTECTION

exterior protection is evolving, why shouldn't your roof?

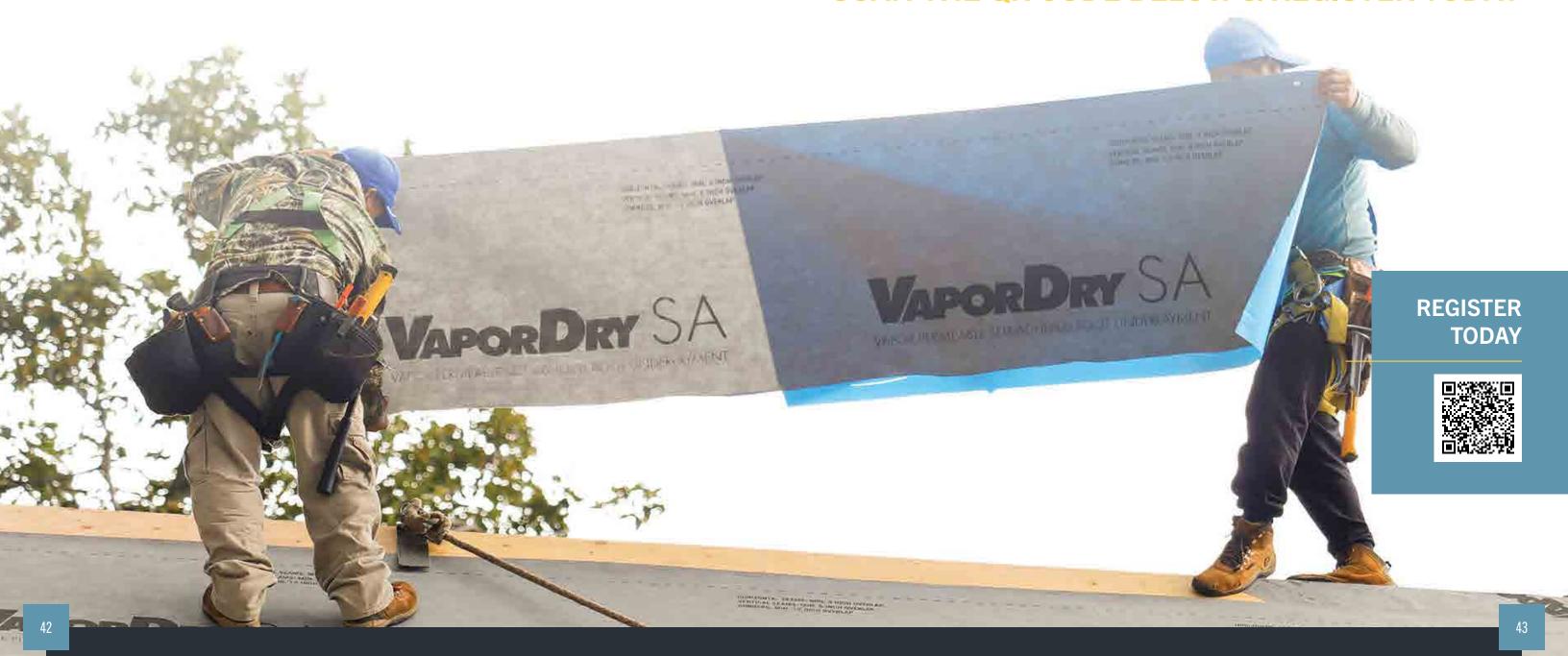
LEARN WHY VAPOR MANAGEMENT IS ESSENTIAL IN THE ROOF ASSEMBLY

REGISTER FOR BENJAMIN OBDYKE'S NEWEST ACCREDITED AIA/CEU COURSE

DURABILTY FOR A STEEP PITCHED ROOF ASSEMBLY THROUGH VAPOR MANAGEMENT

As we've seen more conditioned attic spaces, it's important to create a durable roof assembly to support the unvented attic and extend the life of the roof. As opposed to the traditional vented attic space, the unvented attic space loses the airflow allows for proper drying and ventilation. In order to keep the most important part of the house, the roof assembly, safe and free of mold and rot above a conditioned attic space, we must continue to educate on available products and proper install techniques.

SCAN THE QR CODE BELOW & REGISTER TODAY



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VAPORDRY® SA

VAPOR PERMEABLE UNDERLAYMENT

Designed with the entire industry in mind, Benjamin Obdyke's latest innovation, VaporDry® SA elevates the standard of modern roof protection.

VaporDry® SA embraces state-ofthe-art technology, with 100% fully continuous, acrylic adhesive designed for ideal fastener sealability and vapor permeance. The unique combination of the permeable trilaminate underlayment and acrylic adhesive creates a high performance roof assembly by maximizing the roof's drying potential while maintaining the life cycle of the entire roof deck.

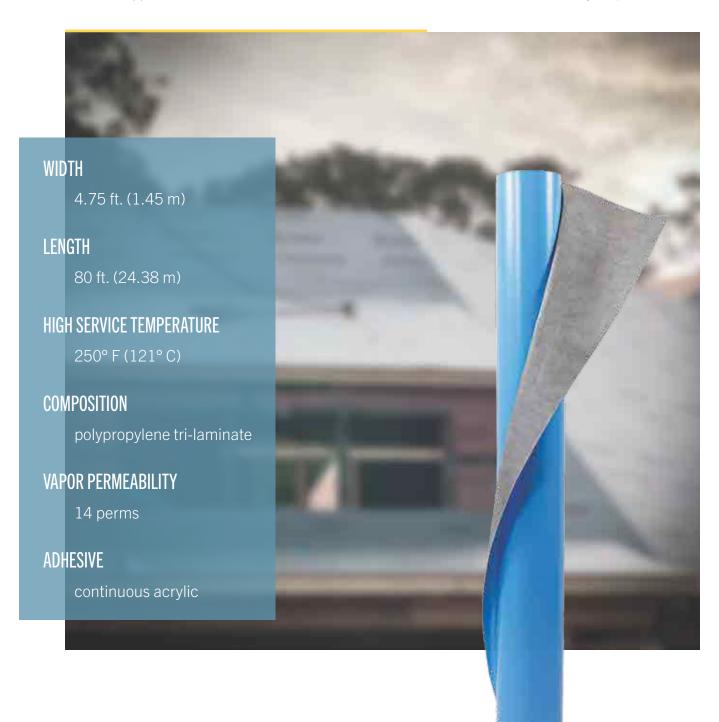
Oh yeah, did we mention it's approved for all roofing types? You've never seen an acrylic adhesive like this.



use with cedar breather for maximum drying potential in wood & metal roof applications

approved for use with all roofing types with a pitch 3:12 or greater

meets ASTM D1970 testing standard for roofing underlayment provides enhanced protection from the elements during "dry-in" period



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provides a space for drainage & drying in metal and wood roof applications

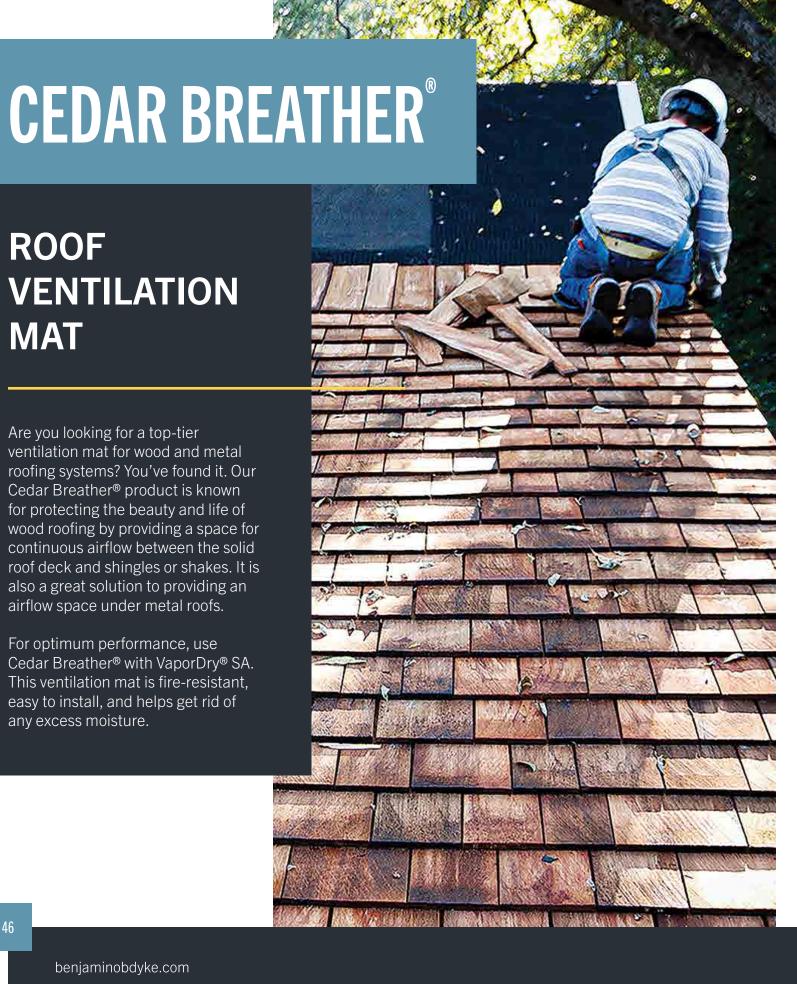
eliminates the need for furring strips- installed without any special tools protects the beauty and life of wood roofing by reducing rot & eliminating moisture

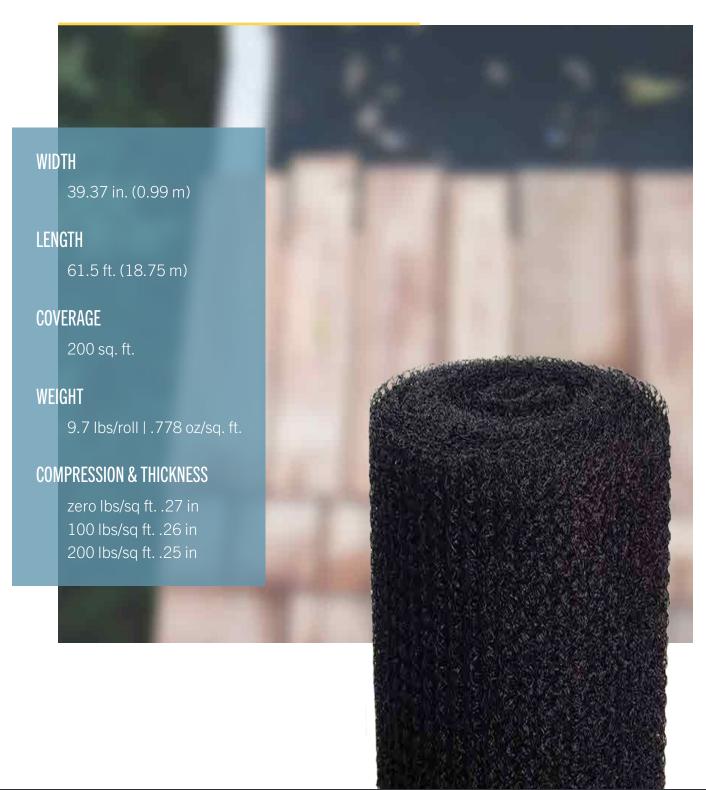
durable performance provides sound cushioning in metal roof applications

ROOF **VENTILATION** MAT

Are you looking for a top-tier ventilation mat for wood and metal roofing systems? You've found it. Our Cedar Breather® product is known for protecting the beauty and life of wood roofing by providing a space for continuous airflow between the solid roof deck and shingles or shakes. It is also a great solution to providing an airflow space under metal roofs.

For optimum performance, use Cedar Breather® with VaporDry® SA. This ventilation mat is fire-resistant, easy to install, and helps get rid of any excess moisture.







HIGH-PERFORMANCE DETAILS DESERVE PREMIUM PROTECTION

HydroFlash® | HydroTape® DS | HydroCorner®

BENJAMIN OBDYKE ACCESSORIES

premium detail protection







air uv tightness resistance



vapor permeable



maximum protection





use for challenging details in exterior insulation applications, including geometrically challenging areas

creates superior air sealing details

use to create monolithic sill flashing & prevent leaks

moisture cured - cure time is only 6 hours with a 20-40 wet mil thickness

LIQUID **APPLIED FLASHING**

Forget the origami when it comes to flashing details. HydroFlash LA, a liquid-applied flashing, is the perfect solution when sealing geometrically challenging areas. HydroFlash® LA is designed for exterior flashing of rough openings, transitions, and seams as part of a high-performing air and water management system. The best areas to utilize a liquid applied flashing are when you need to fill imperfections, penetrations, or seal difficult areas.





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permeability rating of 4, allowing just enough moisture to dry through to the exterior

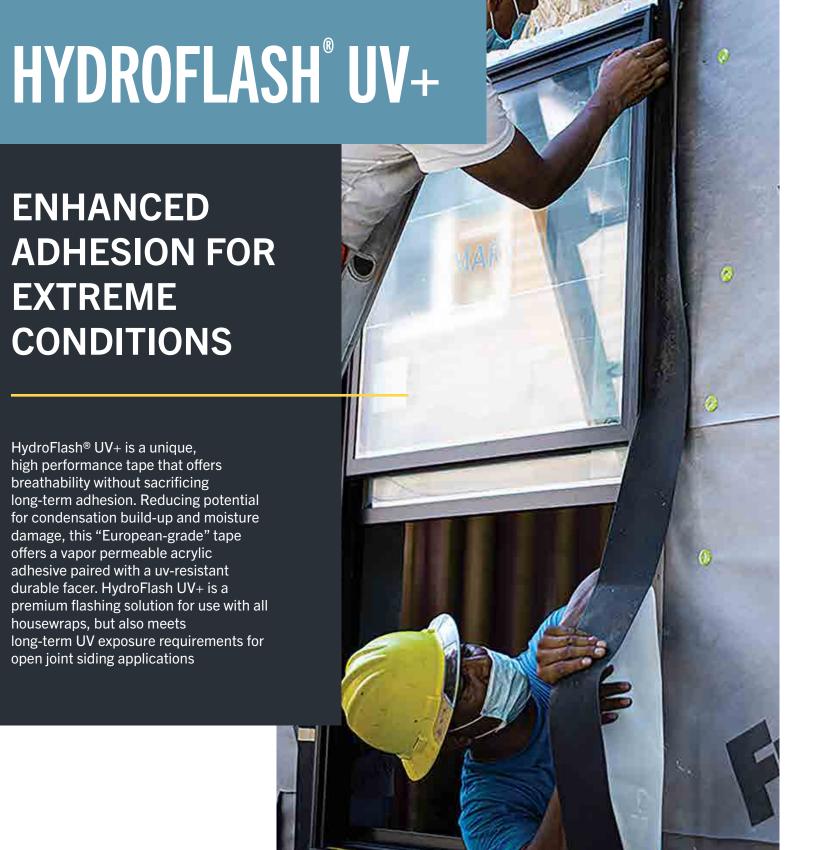
rated for 12 month uv exposure before siding installation

suitable for any climate, works well in extreme environments

high-performance acrylic adhesive offers premium durability & stickability

ENHANCED ADHESION FOR EXTREME CONDITIONS

HydroFlash® UV+ is a unique, high performance tape that offers breathability without sacrificing long-term adhesion. Reducing potential for condensation build-up and moisture damage, this "European-grade" tape offers a vapor permeable acrylic adhesive paired with a uv-resistant durable facer. HydroFlash UV+ is a premium flashing solution for use with all housewraps, but also meets long-term UV exposure requirements for open joint siding applications





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HYDROFLASH® GP

GENERAL PURPOSE FLASHING

HydroFlash® GP is an acrylic-based, general-purpose flashing tape for windows. This self-adhering tape is specially formulated with acrylic technology, creating an aggressive adhesion to Benjamin Obdyke's HydroGap® Drainable Housewraps and BenWrap™. HydroFlash® GP can be installed down to twenty-five degrees Fahrenheit.

Choosing the right flashing product is essential to the integrity of your build. At Benjamin Obdyke, we offer a range of products that can be used in various applications depending on factors such as geographic location and cladding type.

specially formulated acrylic technology creates aggressive adhesion & strengthens over time

spit-release liner makes for easier installation (6 & 9 in. rolls) installed down to 25°F - no primer needed

protects the window opening from moisture intrusion



ROLL THE TAPE

ROLL THE TAPE S

ROLLTHE TAPE

b4

HYDROTAPE® DS

ELIMINATE REVERSE OVERLAPS

HydroTape® DS is an acrylic-based, double-sided seam tape that combats the risk of impeded drainage caused by reverse overlaps, which are often a result of traditional seam tapes. HydroTape® DS is vapor-permeable, allowing any trapped moisture to dry toward the exterior of the wall assembly.

NSTALLATION REQUIREMENTS





SILL **TREATMENT**

HydroCorner® is a simple, economic option for protecting a window sill from moisture intrusion. Place one HydroCorner in each sill corner, and then cover with a piece of self-adhered flashing (HydroFlash®) for a quick and easy-to-install

sill treatment.



For Technical Questions: 800.523.5261 or techsupport@obdyke.com

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