

BENJAMIN OBDYKE

roof & wall products

WALL PROTECTION



Wall Protection Solutions from Benjamin Obdyke

Water will find a way in. Most building scientists not only believe this fact, but also agree that the best way to avoid issues caused by moisture in exterior walls is to provide a way for that moisture to escape.

And that's where we come in. At Benjamin Obdyke, we're passionate about protecting homes and buildings from moisture damage - and have been since 1868. Using building science as our guide, we develop solutions that allow the owner and building professional to BUILD BETTER for the long term - without breaking the bank.

We hope this guide helps you determine the best wall protection option for your project. When in doubt, call us! We're proud to be "nerds" about best building practices and welcome any opportunity to consult with building professionals or owners.



Selecting a system

Here are a few key areas of consideration when selecting a wall protection system that's right for you. Consider how answers to these questions apply to your project, then review the system options on the following pages.

Average rainfall per year?



What kind of cladding will be used?



Level of budget concern?



WHEN SELECTING A WALL PROTECTION SYSTEM, IT'S ALL ABOUT THE GAP

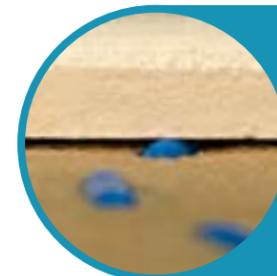
Selecting the right system remains a complex issue – due in part to a general lack of standards-based methods to evaluate the optimum solution for each structure. To help you determine the best wall protection option for your project; we have categorized our products based on the size of gap needed in each wall system. Which gap size is appropriate for your project depends on many factors such as cladding, climate and budget.



RAINSCREEN – “Big Gap”

Rainscreens provide the highest level of moisture protection and peace-of-mind. They provide a “big gap” for **drainage and drying** performance, eliminating potential for mold and rot in the exterior wall.

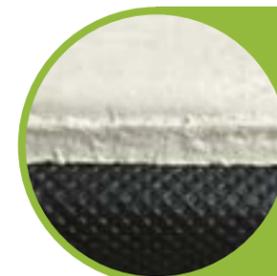
Products: Slicker HP, Slicker MAX, Slicker Classic



DRAINABLE HOUSEWRAP – “True Gap”

Drainable housewraps provide a built-in drainage gap that reduces the potential for mold and rot in the exterior wall. For just a few cents more per square foot over flat housewrap, it incorporates a continuous and efficient **drainage** gap to drain bulk water out of the wall system.

Product: HydroGap



FLAT HOUSEWRAP – “No Gap”

Commercial grade WRBs provide superior water holdout compared to many common housewraps in the industry. It does not specifically provide an additional gap for water removal, but is the perfect complement to rainscreen systems as the WRB component.

Product: Flatwrap UV



ACCESSORIES

Complete System Protection - An enhanced system warranty is available when used in conjunction with our flashing products and accessories. The product warranty is upgraded to a 25 or 15 year system warranty depending on product with the use of our accessory products. The limited system warranty covers product & labor up to \$20,000 per dwelling.

Products: HydroFlash Self-Adhered Flashing, HydroCorner Sill Solution and Slicker Screen

SLICKER® HP

Rainscreen

Provides a big gap (.25 inch) that allows for drainage and drying in the wall assembly

Provides maximum protection for walls, eliminating the deteriorating effects of mold and rot between siding and sheathing

Reduces the chances of premature peeling or blistering of finishes

Commercial-grade housewrap layer has superior tear strength, surfactant resistance and water holdout capabilities

Simplifies and reduces labor by installing rainscreen and housewrap in one easy-to-handle roll

Recommended for wood and fiber cement siding

Recommended accessories:

HYDROFLASH
HYDROCORNER
SLICKER
SCREEN

Slicker® HP is the first all-in-one moisture management solution to feature a detachable rainscreen and premium housewrap in a single application. We have combined the benefit of our Slicker Classic rainscreen and FlatWrap UV premium water resistive barrier (WRB) into one easy to use product. The ability to detach the rainscreen from the housewrap without compromising water holdout simplifies installation and allows installers to use preferred flashing methods.



Slicker HP

Detachable rainscreen and premium WRB

Thickness (size of gap)	.25 in (6 mm)
Width	39.37 in (1 m)
Length per roll	61.5 ft (18.75 m)
Coverage per roll	200 ft ² (18.58 m ²)
Max. UV exposure	30 days
Warranty	20 (product) or 25 (system)
Composition	Polypropylene (40% pre-consumer recycled)
Vapor Permeability	35 perms

SLICKER® MAX

Rainscreen

Slicker® MAX rainscreen includes a filter fabric, providing enhanced UV and compression resistance. Slicker MAX is ideal for providing drainage and ventilation behind fiber cement, stone veneer and stucco applications.



Slicker MAX

Rainscreen with maximum UV + compression resistance

Slicker 10 MAX

Meets Canadian code for rainscreen

Thickness (size of gap)	.25 in (6 mm)	.40 in (10 mm)
Width	39.37 in (1 m)	39.37 in (1 m)
Length per roll	61.5 ft (18.75 m)	38.5 ft (11.74)
Coverage per roll	200 ft ² (18.58 m ²)	125 ft ² (11.61 m ²)
Max. UV exposure	90 days	
Warranty	20 (product) or 25 (system)	
Composition	Polypropylene (40% pre-consumer recycled)	
Vapor Permeability	Not applicable	

Provides big gap (.25 inch & .40 inch) that allows for drainage and drying in the wall assembly

Fabric serves as "sacrificial layer" in stone or stucco applications, while preventing mortar from blocking drainage and drying capacity

Additional fabric layer protects matrix from UV exposure and adds compression resistance

Provides maximum protection for the wall system, eliminating the deteriorating effects of mold and rot between siding and sheathing

Reduces the chances of premature peeling, blistering, or cracking of finishes

Prevents damage from surfactants by separating the cladding from the water resistive barrier

Recommended for stone veneer, stucco, and fiber cement siding

Recommended accessories:

FLATWRAP^{UV}
HYDROFLASH
HYDROCORNER
SLICKER
SCREEN

SLICKER® CLASSIC

Rainscreen

Provides big gap (.25 inch & .40 inch) that allows for drainage and drying in the wall assembly

Provides maximum protection for the wall system, eliminating the deteriorating effects of mold and rot between siding and sheathing

Reduces the chances of premature peeling or blistering of finishes

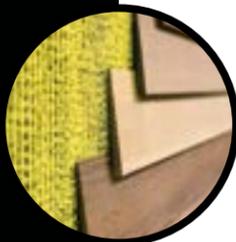
Prevents damage from surfactants by separating the cladding from the water resistive barrier

Saves time and labor costs by eliminating the need for furring strips

Recommended for wood siding

Recommended accessories:

FLATWRAP^{UV}
HYDROFLASH
HYDROCORNER
SLICKER SCREEN



Slicker® Classic is the original rolled rainscreen. The unique, vertically-channeled, three-dimensional matrix of Slicker provides a continuous space for drainage and drying—eliminating the threat of trapped moisture.



Slicker CLASSIC

Slicker 10 CLASSIC

Original rolled screen | Meets Canadian code for rainscreen

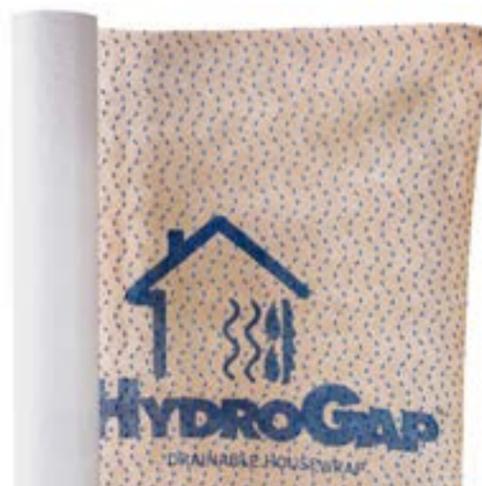
Thickness (size of gap)	.25 in (6 mm)	.40 in (10 mm)
Width	39.37 in (1 m)	39.37 in (1 m)
Length per roll	46.5 ft (14.17 m)	38.5 ft (11.74 m)
Coverage per roll	150 ft ² (13.94 m ²)	125 ft ² (11.61 m ²)
Max. UV exposure	30 days	
Warranty	20 (product) or 25 (system)	
Composition	Nylon (10% pre-consumer recycled)	
Vapor Permeability	Not applicable	

HYDROGAP®

Drainable Housewrap

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. Its patent-pending one millimeter spacers allow at least 100x more bulk water to drain from a wall versus standard housewraps and drains water 2x faster than any other drainable housewrap on the market.



Thickness (size of gap)	.04 in (1 mm)
Width	5 ft (1.5 m), 9 ft (2.7 m), 10 ft (3.1 m)
Length per roll	100 ft (30.48 m)
Max. UV exposure	120 days
Warranty	10 (product) or 15 (system)
Composition	Polypropylene tri-laminate
Vapor Permeability	16 perms*
Fire Rating	Class A

Provides a True Drainage Gap - 1 mm compression resistant spacers assure a continuous and efficient drainage gap

Superior Strength and Water Holdout - tri-laminate substrate with water holdout layer sandwiched by two non-woven layers to protect it from damage during installation

Breathable - 16 vapor permeability rating allows moisture to escape quickly before it damages the sidewall materials

Seam Tape Not Required – saves material, time, and labor costs of taping seams

Omni - Directional Design - can be installed in any direction without affecting performance

15 Year Product and Labor Warranty – guarantees performance (not just manufacturing defects), up to \$20,000 per dwelling

Meets requirements of major siding manufacturers such as LP®, James Hardie®, and Boral® for applications where drainable housewraps are recommended or required

Recommended for all categories of siding

When calculating material needs for a project, consider requirements for overlapping the housewrap per installation instructions.

James Hardie® is a registered trademark of James Hardie Building Products, Inc. Boral® is a registered trademark of Boral Limited.

FLATWRAP® UV

Housewrap

Ideal for open joint cladding applications (openings up to 1 inch when installed with a minimum ¼ inch rainscreen)

If not installed with a rainscreen, then opening must not be greater than ¼ inch

Virtually invisible when installed in an open wall assembly (up to 1 inch joint)

Convenient 500 sq ft roll allows for simple, one man installation

UV exposure of 6 months (prior to cladding installation)

Meets tear and wind load resistance requirements for jobs over 40 feet

Taping of seams is not required, reducing both material and labor costs

Tri-laminate design resists damage from surfactants that can compromise other brands of housewrap

Ideal water resistive barrier to be used in combination with Slicker family of rainscreen products

*When calculating material needs for a project, consider requirements for overlapping the housewrap per installation instructions.



FlatWrap® UV is a commercial-grade water-resistive barrier (housewrap) with enhanced UV and tear resistance. FlatWrap UV is specially designed for use with architectural designs that incorporate “open joint claddings.” The product features a high performance tri-laminate design with enhanced UV resistance versus typical weather resistant barriers. The black color of the wrap enhances the aesthetic appeal to open joint architecture. When used in conjunction with a rainscreen it provides superior bulk water drainage, exceptional vapor permeability and durability.



FLATWRAP^{UV}

ENHANCED UV COMMERCIAL-GRADE WRB

Width	5 ft (1.5 m)
Length per roll	100 ft (30.48 m)
Max. UV exposure	180 days
Warranty	10 (product) or 15 (system) year limited
Composition	Polypropylene tri-laminate
Vapor Permeability	35 perms
Fire Rating	Class A

HYDROFLASH® GP

Self-Adhered Flashing

HydroFlash® GP Self-Adhered Flashing is a specially formulated butyl hybrid technology for aggressive adhesion to Benjamin Obdyke housewraps. HydroFlash GP can be installed in cold temperatures and features a split-release liner. Taping of Benjamin Obdyke housewrap seams is not required, but if you must tape, use HydroFlash GP 2.5 inch sealing tape.



HYDROFLASH® GP

GENERAL PURPOSE SELF-ADHERED FLASHING

Width	2.5 in, 4 in, 6 in, or 9 in (6.4 cm, 10.2 cm, 15.2 cm, 22.9 cm)
Length per roll	75 ft (22.85 m)
Adhesive	Butyl Hybrid Technology
Max. UV exposure	120 days
Temperature Range	Install down to 25°F, store above 40°F
Warranty	10 (product) or 15, 25 (system) year limited



Specially formulated butyl hybrid technology for aggressive adhesion

Can be installed down to 25 degrees fahrenheit (store above 40 degrees fahrenheit)

AAMA 711 approved

Seals around fasteners

Split-release liner (6 & 9 in)

Abrasion resistant facer

ACCESSORIES

Prevents water intrusion at window/wall interface keeping walls dry

Durable material resists cracking in cold weather or damage during window installation

Easy to install – no special tools / cutting required

Inexpensive, minimum increase in "installed" cost

Speeds sill pan assembly

Meets the sill pan requirement for Energy Star Home



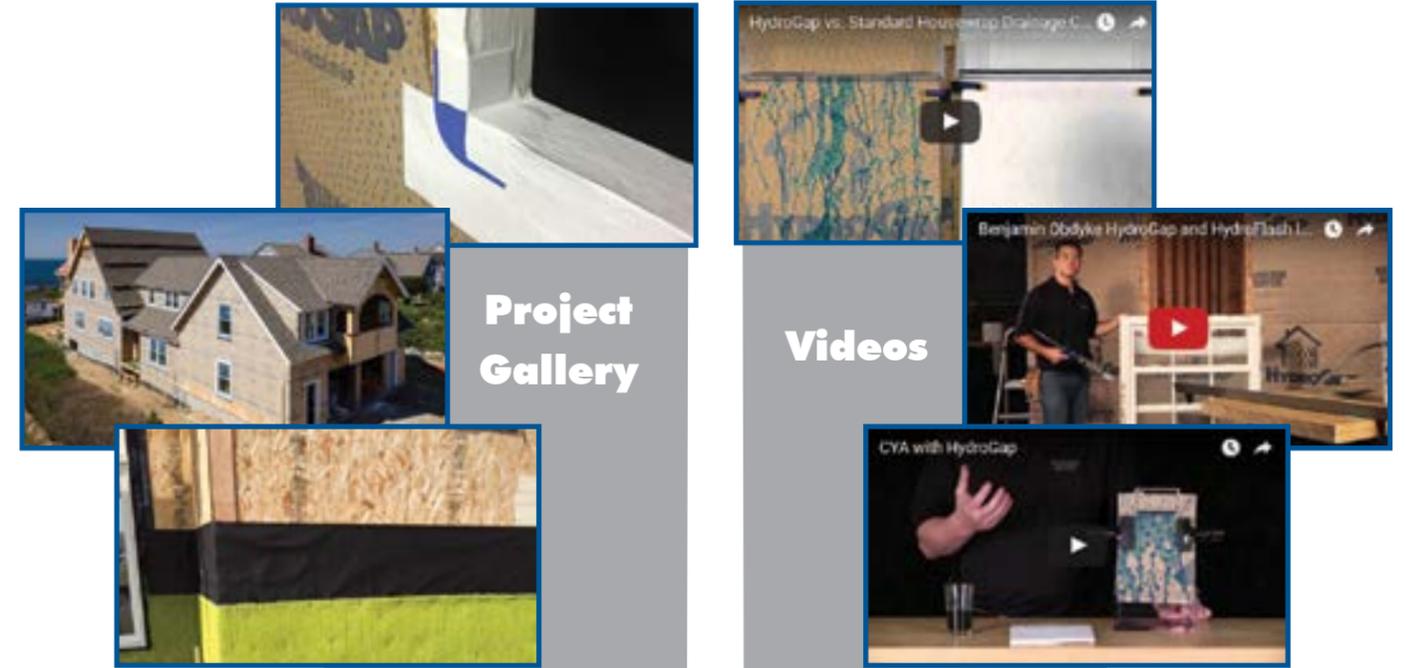
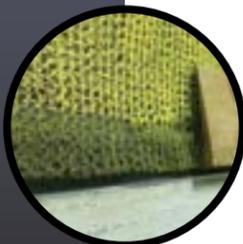
HYDROCORNER™

HydroCorner™ is an inexpensive 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.



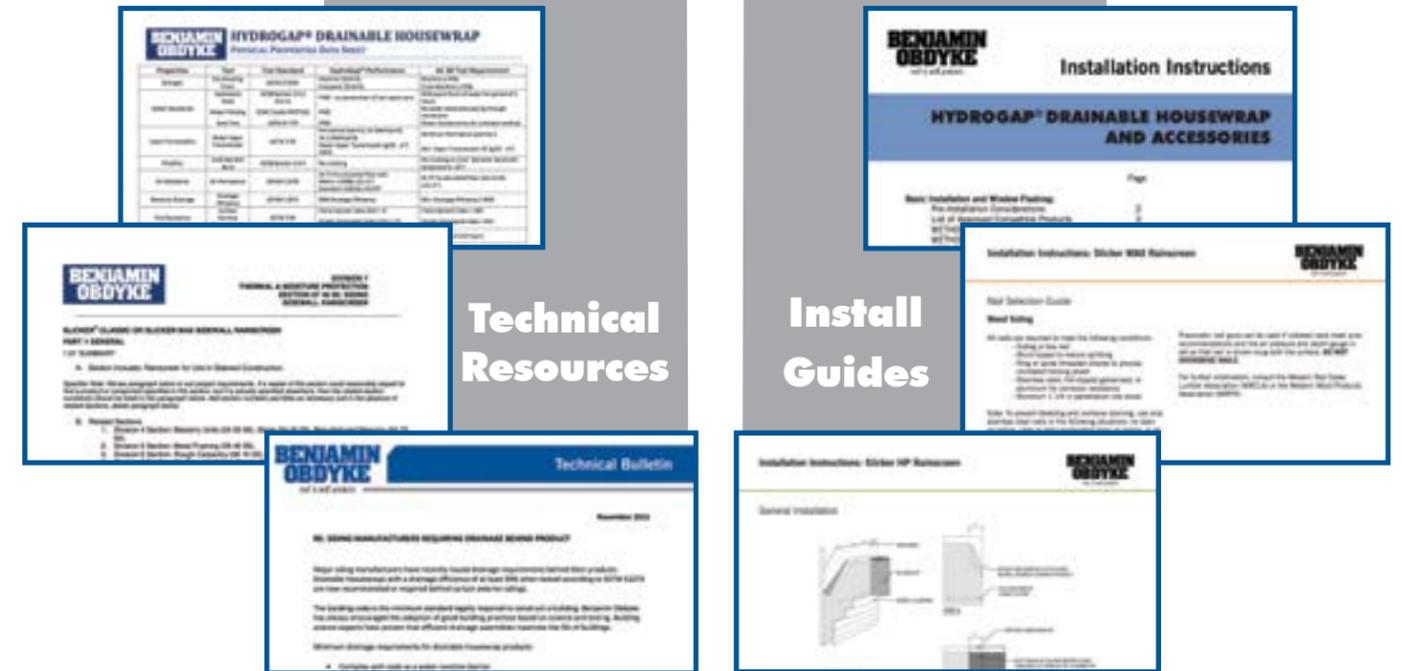
SLICKER® SCREEN

Slicker® Screen is used in conjunction with the Slicker family of rainscreens to prevent insect infiltration along the top and bottom edge of the siding. The material is precut to a 6 inch width and is installed with 3 inches on the backside and 3 inches on the front side of the Slicker rainscreen material. Available in 6 in x 100 ft rolls.



Project Gallery

Videos

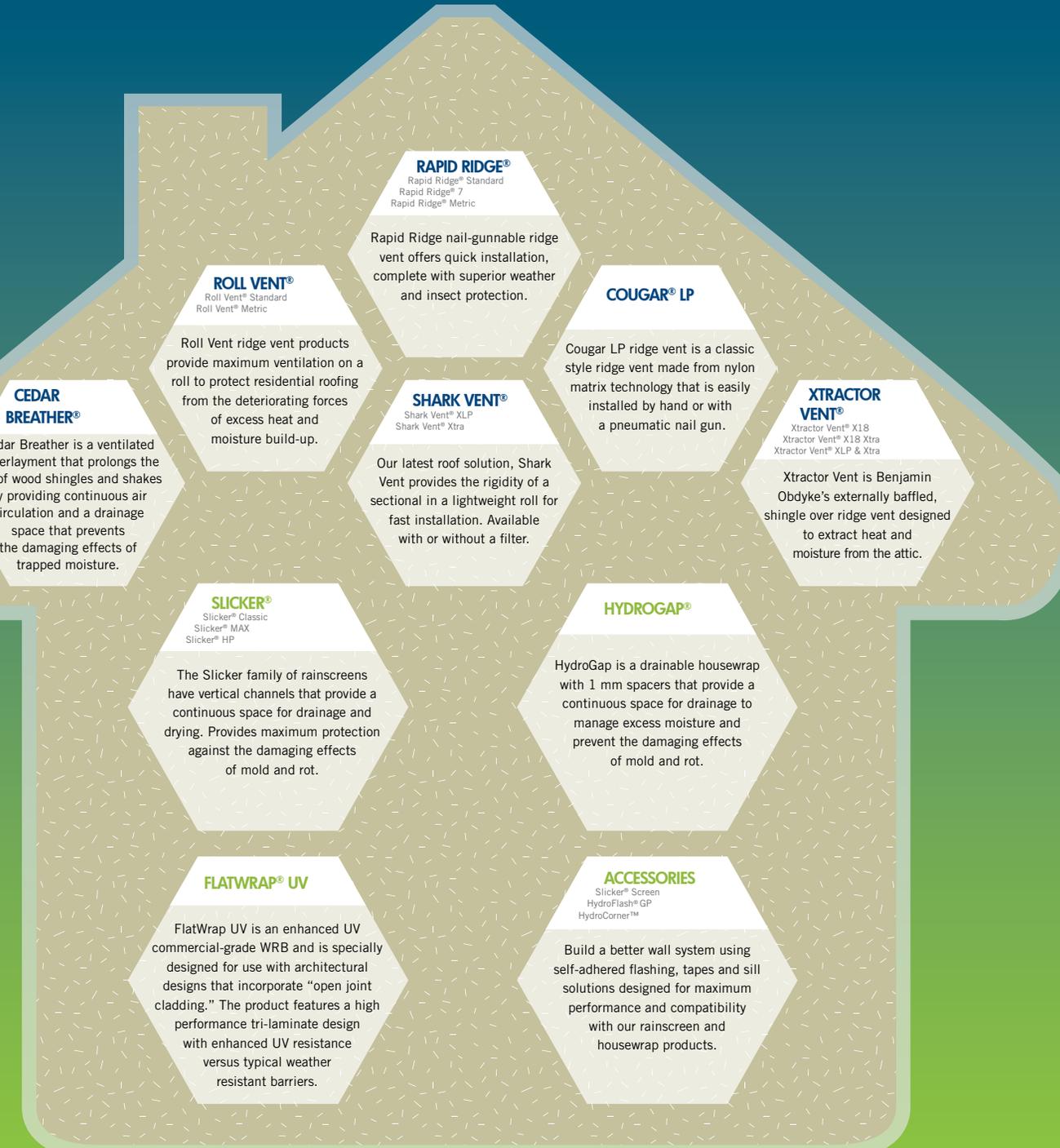


Technical Resources

Install Guides

BUILD BETTER WITH ROOF & WALL PROTECTION FROM BENJAMIN OBDYKE

ROOF



CEDAR BREATHER®

Cedar Breather is a ventilated underlayment that prolongs the life of wood shingles and shakes by providing continuous air circulation and a drainage space that prevents the damaging effects of trapped moisture.

ROLL VENT®

Roll Vent ridge vent products provide maximum ventilation on a roll to protect residential roofing from the deteriorating forces of excess heat and moisture build-up.

RAPID RIDGE®

Rapid Ridge nail-gunnable ridge vent offers quick installation, complete with superior weather and insect protection.

SHARK VENT®

Our latest roof solution, Shark Vent provides the rigidity of a sectional in a lightweight roll for fast installation. Available with or without a filter.

COUGAR® LP

Cougar LP ridge vent is a classic style ridge vent made from nylon matrix technology that is easily installed by hand or with a pneumatic nail gun.

XTRACTOR VENT®

Xtractor Vent is Benjamin Obdyke's externally baffled, shingle over ridge vent designed to extract heat and moisture from the attic.

SLICKER®

The Slicker family of rainscreens have vertical channels that provide a continuous space for drainage and drying. Provides maximum protection against the damaging effects of mold and rot.

HYDROGAP®

HydroGap is a drainable housewrap with 1 mm spacers that provide a continuous space for drainage to manage excess moisture and prevent the damaging effects of mold and rot.

FLATWRAP® UV

FlatWrap UV is an enhanced UV commercial-grade WRB and is specially designed for use with architectural designs that incorporate "open joint cladding." The product features a high performance tri-laminate design with enhanced UV resistance versus typical weather resistant barriers.

ACCESSORIES

Build a better wall system using self-adhered flashing, tapes and sill solutions designed for maximum performance and compatibility with our rainscreen and housewrap products.

WALL



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For more information on our roof and wall solutions, visit benjaminobdyke.com or call us at (800) 523-5261.

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