

**BENJAMIN
OBDYKE**

roof & wall products

Installation Instructions

HYDROGAP® SA DRAINABLE HOUSEWRAP

self-adhered drainable housewrap



Approved Compatible Products

FASTENERS

Staples
Cap Fasteners[#]

SELF-ADHERED FLASHING

Benjamin Obdyke HydroFlash® GP[#]
Benjamin Obdyke HydroFlash® UV+[#]
ZIP System™ Flashing Tape
SIGA Wigluv
SIGA Fentrim F
3M™ All Weather Flashing Tape 8067
DuPont™ FlexWrap™ NF
Nichigo G-Tape™ 3040BK

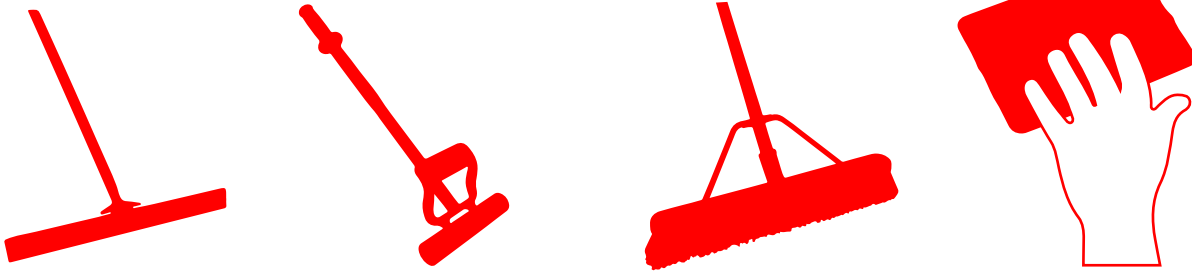
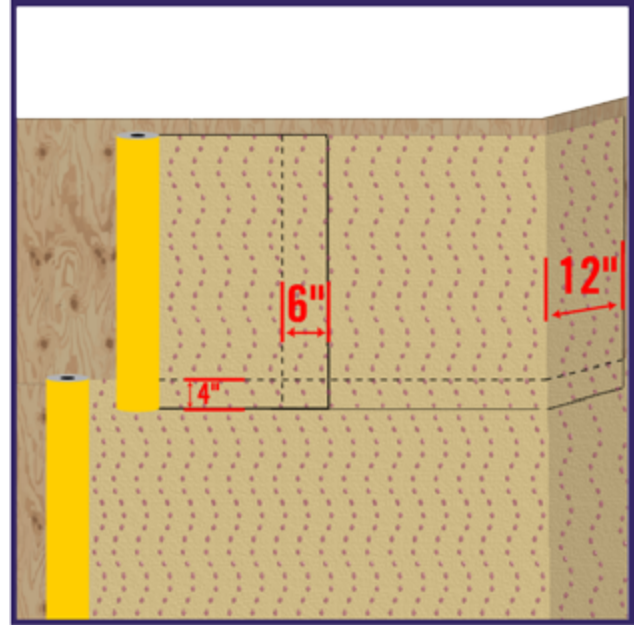
CAULKS & SEALANTS

HydroFlash® LA
OSI® QUAD® MAX Sealant
Loctite® Premium® Construction Adhesive
Loctite® PL Premium® S40 Polyurethane
GeoCel® 2300 Construction Tripolymer
GeoCel® Pro Flex®
Bostik® 915™ Polyurethane Sealant
Bostik® 915FS™ Polyurethane Sealant
Dow Corning® 732 Multi-purpose Sealant
NPC® Solar Seal #900
Titebond® WeatherMaster™
Titebond® WeatherMaster™ ULTIMATE MP
Tremco® Vulkem® 116
DAP® Flexible CLEAR Sealant

**[#]required components to achieve HydroGap® SA
20 YEAR PRODUCT AND LABOR LIMITED WARRANTY**

Pre-Installation Considerations

- Store HydroGap® SA above 45° F in a conditioned space prior to cold weather installation.
- Prepare the sheathing to be free of dust and debris. Cleaning with a push broom, or air compressor is recommended.
- A primer is not required on most clean, dry surfaces when exterior surface is above 25° F.
- HydroGap® SA is a self-adhered product, and does not require any fasteners during installation. Staples/cap fasteners may be used to temporarily fasten as you roll out each course.
- The continuous acrylic adhesive can be repositioned on sheathing to verify a smooth installation with minimum wrinkles. However, be sure the adhesive does NOT make contact with itself.
- HydroGap® SA should be installed shingle lap fashion (ie. begin installation at the base of the wall assembly).
- Extend the housewrap a minimum 2 inches over sill plate.
- Overlap all horizontal seams by at least 4 inches, all vertical seams by at least 6 inches, and corners by 12 inches.
- Be sure that the housewrap and flashing installation provide for positive drainage to the exterior of the assembly.
- Do not allow the housewrap to be exposed to sunlight in excess of 120 days prior to the installation of cladding.
- You must use firm and even pressure when applying HydroGap® SA to activate the adhesive. To apply even pressure and conform around the spacers, we recommend using the following: a floor squeegee, a floor roller, a firm push broom, or larger hand applicator.



- It is normal to see a few spacers fall off during the application of surface pressure. **THIS WILL NOT IMPACT THE PERFORMANCE.**
- Flash wall penetrations (such as outlets, exhaust vents, etc.) with proper shingling technique to maintain drainage to the exterior.
- Flash windows and doors according to building code requirements. Surface should be clean and dry. All self-adhered flashing must be adhered using a hand applicator. HydroFlash® should be stored inside or in conditioned space prior to installing in cold temperatures.
- Install windows and doors per manufacturer's installation instructions.
- Tape all tears and holes that may have been inadvertently introduced during the construction process.
- HydroGap® SA can be installed in any direction and still maintain its performance characteristics.
- To achieve 20 YEAR PRODUCT AND LABOR LIMITED WARRANTY:

Install with Benjamin Obdyke wall system accessories

- HydroFlash® must be used as the self-adhered flashing for windows, doors, and other penetrations
- HydroCorner® can be used in conjunction with HydroFlash® to treat the sills

Basic Installation: Beginning Courses

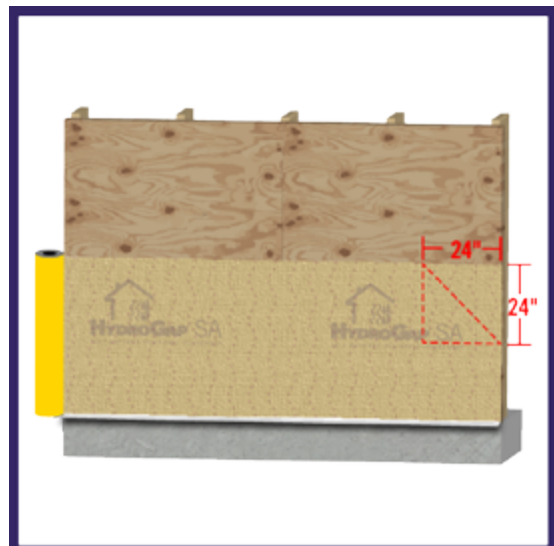
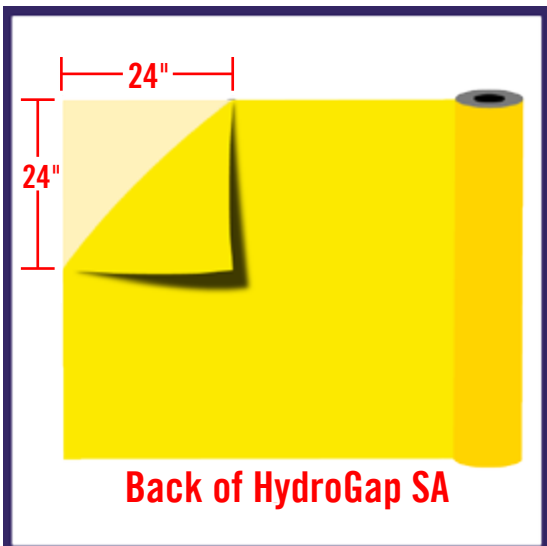
Step 1

- Using a chalk line, establish a “control line” to use as a guide for the top edge of the first course of HydroGap® SA. Follow this control line as you install the first course to minimize wrinkles and ensure maximum contact with the sheathing.
- Starting from the upper corner, peel 24 in. of the release liner from the back of HydroGap® SA to expose the adhesive. Place the exposed adhesive corner to the edge of the “control line” to install the first course. (Option) you may fasten the exposed corner with a staple or cap fastener to hold in place as you continue with the next step.



Step 2

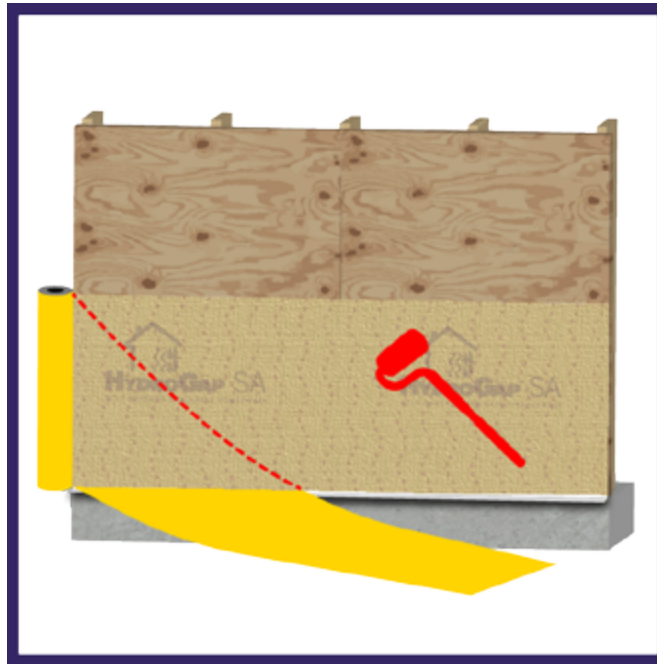
- Once the corner is firmly in place, pull the rest of the release liner at a 45° angle as you work to unroll the wrap along the wall. Verify alignment and begin to smooth starting from the center of HydroGap SA and work to the edges. Adhesive can be repositioned on the sheathing to verify maximum contact and reduce wrinkles and air pockets.



Basic Installation: Beginning Courses

Step 3

- Once the course is in place, use a j-roller or other application tool to apply firm, even pressure to fully adhere the wrap to the sheathing.



Step 4

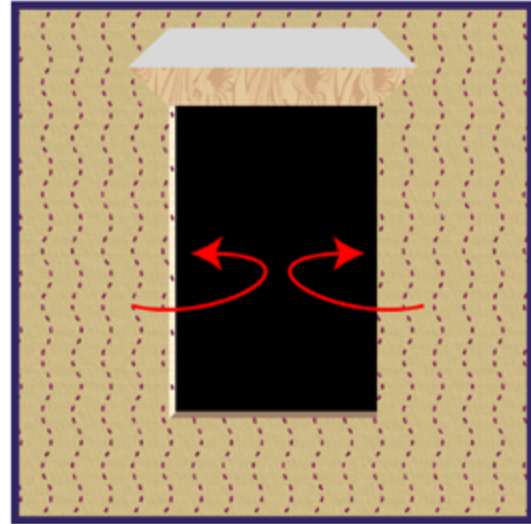
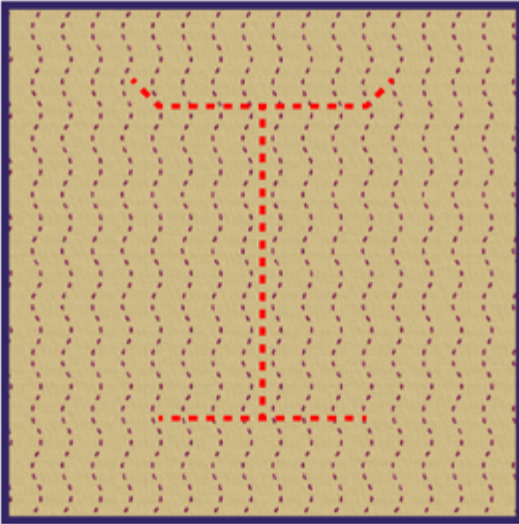
- Repeat the same steps for consecutive courses, shingling over as you work up the wall. Overlap requirements are as follows: horizontal overlaps 4 inches, vertical overlaps 6 inches, and 12 inches around the corners.



Basic Installation & Window Flashing: “Fold-In” Method

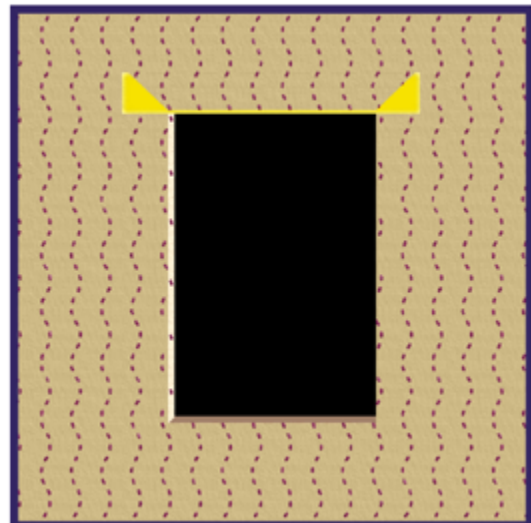
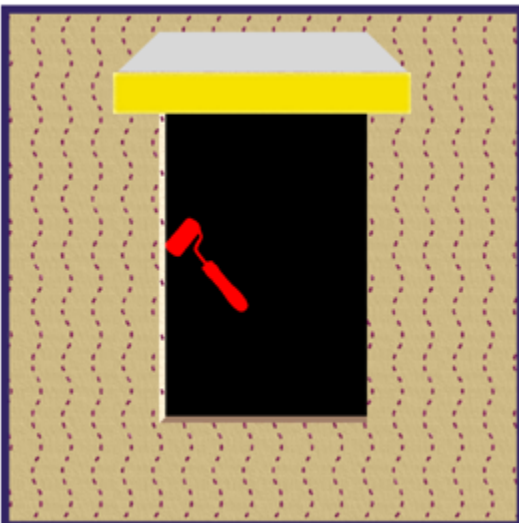
Step 1

- When wrapping the structure in HydroGap SA, avoid rolling/applying pressure to the top of windows and doors, this will ensure the proper shingle lapping of self-adhered flashing tape.
- At each window opening, cut an “I” shape into the housewrap. Cut housewrap above the top corners 45 degrees away from window opening to account for flashing width.
- Fold side flaps into rough opening. Cut and apply pressure allowing the adhesive to stick to the jambs.



Step 2

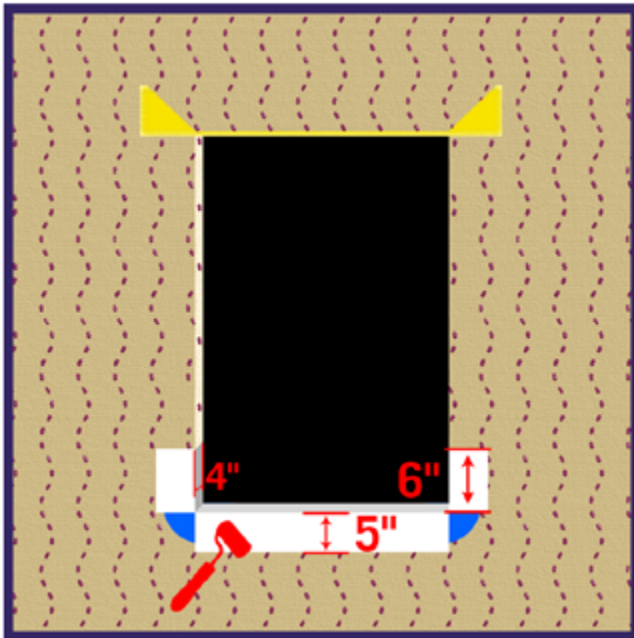
- Fold up top trapezoid shape “flap” and stick a strip of the adhesive backer underneath, keeping the flap from sticking to the sheathing.
- Using a roller or hand applicator, apply 6” HydroFlash[®] to the exterior of the sill, extending 6” past each jamb.



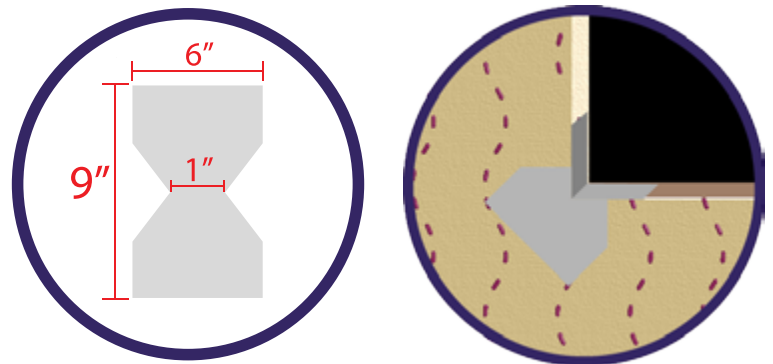
Basic Installation & Window Flashing: “Fold-In” Method

Step 3

- (Optional) Install sloped sill or back dam (optimal slope 1/4”), except when using approved pre-manufactured sill pan.
- To properly flash the sill, cut and install corner patch flashing (bowties) or use HydroCorners®.
- Install pre-cut HydroFlash over corner patches. Install HydroFlash to extend at least 6” up the side of each jamb inside the window opening.
- Install a minimum width of 9" HydroFlash® at the sill location for a conventional 2" x 4" framed wall. Two pieces of 6" HydroFlash® can be used with thicker wall cavities.

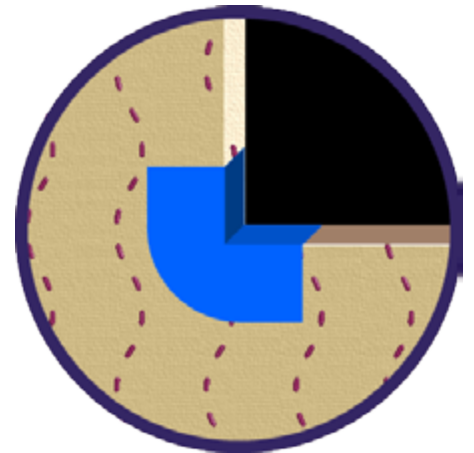


BowTie Corner Patches



HydroCorners (Optional)

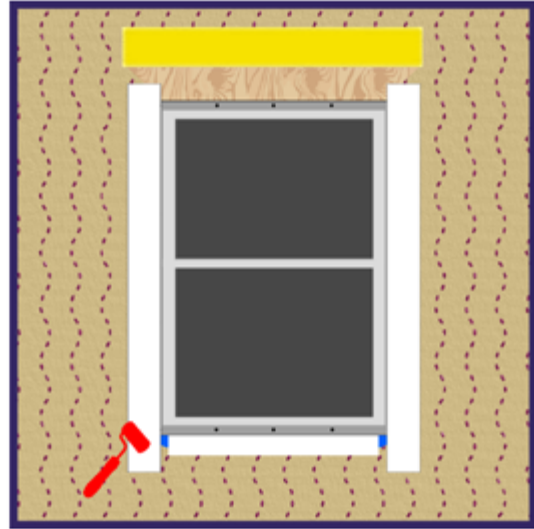
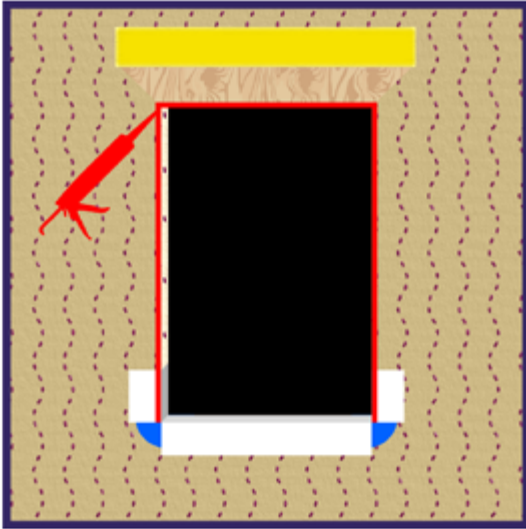
- To use HydroCorners instead of corner patches, place a HydroCorner in each sill corner and fasten in place with a staple. Install pre-cut HydroFlash over corner patches. Install HydroFlash GP to extend at least 6” up the side of each jamb inside the window opening.



Basic Installation & Window Flashing: “Fold-In” Method

Step 4

- Apply caulk/sealant at jambs and head.
- Install flanged window.
- Install HydroFlash® to the side jambs. Surfaces should be clean and dry. Self adhered flashing should be applied using firm pressure with a hand applicator



Step 5

- Install HydroFlash® header flashing. Surface should be clean and dry. Self-adhered flashing should be applied with pressure using a hand applicator or roller.
- Fold top flap down removing the adhesive backer. Using a roller or hand applicator, apply pressure to HydroGap® SA activating the acrylic adhesive over the head flashing.
- Apply HydroFlash® at the diagonal relief cuts.

