

# WATER RESISTIVE BARRIER INSTALLATION (cont.)

- All other penetrations through the exterior of the wall assembly must be sealed and/or taped with these same materials to ensure a full Water Resistive Barrier system. Hose bibs, electrical access, dryer vents or any other wall penetration must be fully sealed/caulked.
- Cover the wall assembly with a code approved exterior wall cladding as soon as is practical. Atlas recommends that all of the wall cladding materials be installed within 60 days of installing this Water Resistive Barrier system of materials.
- The WRB Tape and panel surfaces should be at 55°F and rising to apply. If at 55°F and lower, a primer should be applied prior to installing the tape.



The Water Resistive Barrier is used for both commercial and residential applications.

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# WATER RESISTIVE BARRIER SYSTEM

## INSTALLATION GUIDE

ENERGY SHIELD®  
ENERGY SHIELD® PLUS  
ENERGY SHIELD® CAVITY WALL  
STUCCO SHIELD®  
RBOARD®



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# WATER RESISTIVE BARRIER APPLICATIONS

An installed assembly of the following components will provide for a wall system recognized as a Water Resistive Barrier by the International Residential Code Report #ESR-1375.

- Install Atlas Energy Shield®, Energy Shield® Plus, and/or Rboard® insulating sheathing panels per the standard sheathing installation instructions as shown in the Atlas Product Data Sheet:

**Wood Framing**—Fasten with min. 3/8" diameter head roofing nails, long enough to penetrate at least 3/4" into all supporting framing members. Install adjacent panels snugly to installed panels and assure reasonably good workmanship in cutting panels to fit around the features of the structure. Space fasteners @ 12" OC on all framing members.

**Steel Framing**—Follow the same fastening pattern and procedure as above. Fasten with self drilling screws using minimum 3/4" diameter washer caps. Use care to avoid breaking the facing material when drawing the washer cap down to the facer. Space fasteners @ 12" OC on all framing members.

Seal any broken panel facing areas with caulking, or flashing tape.

- Install window and door flanges over the surface of the Atlas insulating sheathing, per the installation instructions of the window or door manufacturer—assuring that all proper flashing and sealing is provided per those instructions.
- Flange mount units must have sealant (caulking) applied to the mounting surface area of the Atlas insulating sheathing prior to positioning and securing the window flange through to the framing.
- Door unit installations must also follow the manufacturer's instructions regarding flashing details and all required sealant applications.
- Atlas recommends a minimum 1/4" wide bead of sealant under all of the door and window mounting flanges.

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## RBOARD® APPLICATIONS:

### Flashing Tapes

- Atlas WRB flashing tape – 4"
- Protecto-Wrap, BT-20XL brand, SBS modified, self-adhering flashing tape, minimum 4" width.
- KWIKWRAP brand, SBS modified, self-adhering flashing tape, minimum 4" width.

## ENERGY SHIELD® AND ENERGY SHIELD® PLUS APPLICATIONS:

### Flashing Tapes

- Atlas WRB flashing tape – 4"
- Protecto-Wrap, BT-20XL brand, SBS modified self-adhering flashing tape, minimum 4" width.
- Venture Tape brand—model # 1519CW NS, 3 mil Aluminum Foil Duct Tape with acrylic adhesive. Meets - Mil Spec. Mil-T-23397B, minimum 2 3/4" width.
- KWIKWRAP brand, SBS modified, self-adhering flashing tape, minimum 4" width.

*All Sealants to comply with ASTM C 834, minimum.*



# WATER RESISTIVE BARRIER INSTALLATION

## TAPING AND SEALING PROCEDURES:

Follow all application instructions of the tape manufacturer. Assure that the mounting surface areas of the sheathing are clean where the flashing tape and sealant materials are to be applied, this is important to the adhesion qualities of the flashing tape and sealant products.

Start the flashing tape application at the bottom of the wall assembly and work upward as you install the system's components. This will assure the basic function of the water shedding action of the flashing materials.

- Apply the flashing tape to all previously sealed/caulked and mounted, window flanges and door edge openings. Center the tape over the mounting flange edges. Tape all areas per the following procedures:

1. Apply the flashing tape to the horizontal joints. The tape should be centered over all panel joints. Overlap all joints in the flashing tape by at least 3".

2. Apply the flashing tape to all vertical joints of the insulating panels, continuing over the junctures of the previously taped, horizontal joints.

3. All insulating panel joints must be taped. All window and door openings must be sealed and taped per these instructions as well as the window and door manufacturer's installation requirements. These instructions are designed to augment, not replace, the installation instructions of the door and window manufacturers. Install tape in the order shown here.

4. Tape all joints where insulating panes and wood structural panels meet, just as when taping insulating panel joints. (Continued on back)

