



ZIP System™ Roof Sheathing Installation Guidelines

This Installation Guide is intended to provide general information for the designer and end-user. For additional information contact Huber Engineered Woods, LLC.

ATTENTION: The following guidelines will help safely and properly install the ZIP System Roof Sheathing. We urge you and anyone installing this product to read these guidelines in order to minimize any risk of safety hazards and to prevent voiding any applicable warranties.

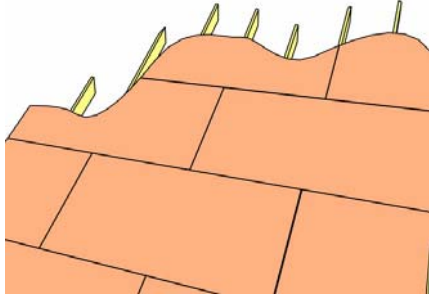
ZIP ROOF SHEATHING PANEL 30 YEAR LIMITED WARRANTY *

Huber warrants that, for 30 years from the manufacturing date, the products will not delaminate. Delamination is defined as the visible, physical separation of the strands or layers within the sheathing panel, not loose strands on the panel surface, folded surface flakes or edge swelling.

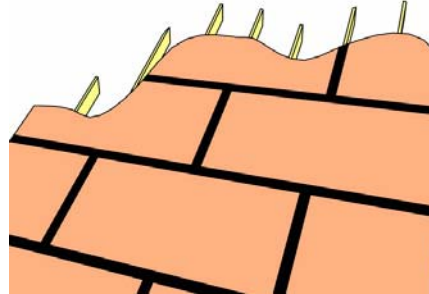
ZIP System Roof Sheathing Product Description

The ZIP Roofing System is composed of (2) parts:

Weather Resistant Roof Panels



Weather Resistant Seam Tape



If properly installed, the ZIP System creates a roofing surface that can provide many benefits.

Features and Benefits of the ZIP System Roof Sheathing include:

- ZIP System can withstand exposure to the elements for up to 90 days before asphalt shingles must be applied.¹
- Asphalt shingles can be directly applied to the ZIP System.
- No felt paper or other underlayment is required with the ZIP System.
- ZIP System can be installed in less time than traditional panel and felt paper construction
- ZIP System carries a 30-year limited warranty against delamination
- ZIP system does not require H-clips between panel edges (1/2" thick panels with up to 24" o.c. framing)
- ZIP system creates a flat surface for shingle attachment.

¹Once properly installed, the ZIP System can resist exposure to moisture, weather conditions, and ultra-violet rays for up to 90 days. Huber does not warrant or ensure the ZIP panels can or will resist exposure to mold or mold-related damage.

ZIP System Safety Guidelines

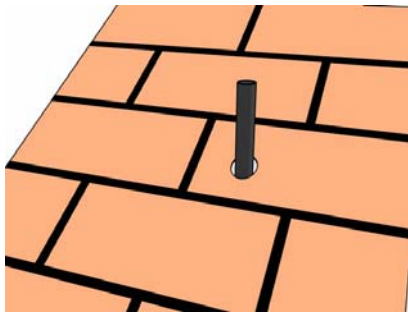
- Follow all OSHA regulations and/or other guidelines and safety practices (i.e. the American Plywood Association's Basic Roof Safety Tips) for roof installation and construction. Use a ZIP System™ Tape Gun to apply ZIP Tape.
- Use approved safety belts and/or harnesses or other fall protection equipment.
- Install ZIP System panels and tape only in dry conditions and on dry surfaces. Do not install in rain, snow, frost or other slippery conditions.
- Wear rubber soled or other high traction footwear while installing ZIP roof products. Do not wear footwear with worn soles or heels.
- Ensure that the roofing surface is free from sawdust, dirt, tape release liner and other debris and is free from all tools, electric cords, clothing, etc., that might create a tripping hazard.
- Install temporary 2x4 toeboards along the ZIP System roof surface.

Storage and handling:

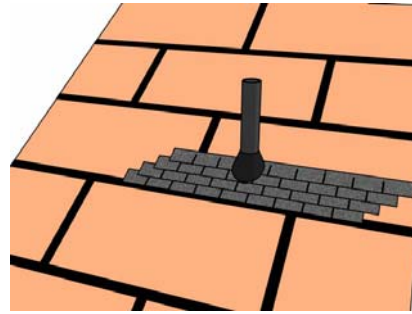
- Store ZIP tape in the original packaging at temperatures between 40° F and 90° F to keep it pliable.
- Set panel stack on three supports to keep off the ground.
- Outdoors, cover panels loosely with waterproof protective material.
- Anchor covers on top of the stack, but keep away from sides and bottom to assure good air circulation.
- When high moisture exists, cut banding on the panel stack to prevent edge damage.

Do Not Use The ZIP Roof System in the following situations:

- **Do Not Use The ZIP Roof System** on walls.
- **Do Not Use The ZIP Roof System** on roofs with slopes less than 2/12.
- **Do Not Use The ZIP Roof System** in place of flashing on masonry.
- **Do Not abut the ZIP Roof System** panels to masonry. Provide 2" clearance between masonry projections and edges of zip panels
- **Do Not Use The ZIP Roof System** to permanently seal around circular projections. (plumbing vents, pipes, curved walls, etc.)



Provide 1/2" clearance between vent pipe and edge of zip panels



Use conventional vent flashing
DO NOT USE ZIP TAPE TO
SEAL AROUND VENTS

- **Do Not Use** construction adhesive when installing ZIP roof panels to roof framing members.
- **Do Not Use** H-Clips with ZIP System Roof Sheathing. They are not required by code with this 1/2" product and they will interfere with the tape seal. Check local building code requirements for roof sheathing fastening details in high-wind regions.

Installation Procedures

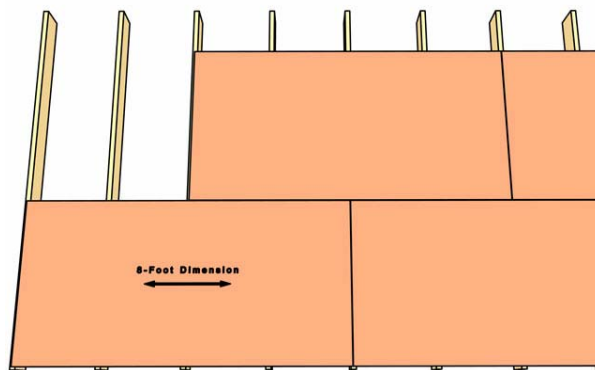
Overview: The ZIP roofing system is composed of ZIP roof panels and ZIP seam sealing tape. The entire roof-framing surface should be sheathed with the ZIP roofing panels before the seam sealing tape is applied. In general, the ZIP roofing panels should be installed from the lowest point on the roof to the highest. The ZIP tape is best installed from the highest portion of the roof to the lowest. The following installation steps are presented as a general outline of the installation process. Good construction and safety practices should be followed at all times.



ZIP System Roof Panel Installation

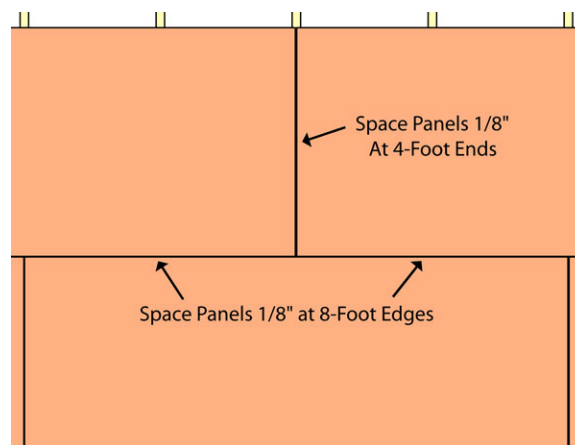
Step 1. Using a chalk line tool, snap a reference line across the framing members 4 ft. up from the tails.

Step 2. After ensuring compliance with safety guidelines outlined above, install ZIP roof panels with the sienna red, imprinted screen surface up. The long edge (8 ft) should be oriented perpendicular to the framing members.



Step 3. Ensure that ZIP panels span at least three framing members and a framing member supports the entire 4-foot edge of the panels. Fasten the ZIP roofing panel to the framing members with 6d nails spaced at six (6") o.c. along the edges of the panel and 12" o.c. at all intermediate supports. Apply the nails 3/8" to 1/2" from the ends and corners.

Step 4. Apply additional panels to the framing members and maintain 1/8" spacing between adjacent panel edges.



Step 5. Install temporary 2x4 toe boards as necessary when applying the ZIP roof panels up the slope of the roof planes.

Step 6. Ensure that roof panel surface is dry and clean of any nails, sawdust, or other debris or protrusions prior to walking on the panels or installing the ZIP tape.

ZIP System Roof Tape

Safety note: If ZIP Tape Release Liner falls from the ZIP Tape Gun on to a panel, remove the loose release liner piece from the roof immediately. The release liner pieces could cause injury if slipped on.

Installation note: Do not apply tape when the temperature falls below 20° F.

ZIP Tape Gun Loading



Place roll on gun, unwind in clockwise direction. Separate tape and backing.

Ponga el rodillo en el tubo de la cinta de tal manera que desenrolle en la dirección a la derecha. Separe la cinta y el forro.



Put backing in tape backing pinchers.

Ponga el forro en las tenazas del forro de la cinta.



Rotate backing spool counter clockwise. Turn for one (1) complete rotation.

Vuelta para un giro completamente.



Feed tape under rolling squeegee. Wrap around to meet bite knife.

Dar la cinta debajo del rodillo. Envolver la cinta para reunirse con el cuchillo.

ZIP Tape Gun Use

- Hold the tape gun by the handle. Place the application roller against the Zip Roof Panel surface for taping with the gun oriented at a 75-degree angle with the surface.
- Pull the tape gun toward you maintaining the 75-degree angle while dispensing the tape.
- To cut the tape, apply pressure on the tape and bite knife then apply a sharp tap on the tape roll to initiate cutting. Use caution with the bite knife, it is sharp and may cause injury.

ZIP System Roof Tape Installation

Apply ZIP System Roof Tape after all ZIP roofing panels are installed on the roof-framing members. Ensure that all ZIP panel surfaces are dry and free of any nails, sawdust or other debris or protrusions. Avoid stepping on tape in high temperature environments.

Step 1. Use the ZIP System Tape Gun to apply the ZIP tape to each of the 4ft seams, starting from the highest portions of the roof and moving to the lowest. Cut the ZIP Tape using the ZIP Tape Gun or a sharp utility knife.



Step 2. For valley areas of framing, use a continuous piece of ZIP tape over the entire length of the valley seam. Starting from the top of the valley, center Zip tape over the valley seam and work toward the bottom end of the valley. Apply moderate pressure onto the surface of the tape to ensure a secure bond between the panel and the tape.

Step 3. To provide **temporary** weather protection to areas such as dormers or other wood-sheathed projections, apply 2" of the ZIP Tape width up the projection from where it intersects with the roof. The remaining 2" of tape width can be adhered to the ZIP Sheathing. **ZIP tape is not to be used as a substitute for conventional flashing.**



Step 4. Working from the highest sections of the roof, install ZIP seam tape along the horizontal seams (8 foot), taking care to ensure that tape lengths are continuous across the 8 ft edge of the panels. If splices are unavoidable, overlap the splice by at least 3 inches. Apply moderate pressure onto the surface of the tape to ensure a secure bond between the panel and the tape. Take special care to remove any voids and/or trapped air at splice areas and T-joints.

All horizontal tape laps should shingle-lap in the direction of water drainage and should overlap 4' taped edges.

Step 5. Install ZIP seam tape over hips and ridges by centering the tape over the peak seam. Apply tape in sufficient length to completely extend the length of the hip or ridge. Starting from the highest point of the hip and working down, press tape into place keeping tape centered over the hip. Apply moderate pressure onto the surface of the tape to ensure a secure bond between the panel and the tape. **(Tape horizontal ridges located in the highest areas last.)** Take special care to remove any voids and/or trapped air at splice areas and T-joints.



Step 6. Tape over toeboard nail holes once the toeboards are removed, working from the highest toeboards to the lowest.