



Zilla® Double Stud Flashing

Installation Instructions

One or more patents apply to this product including without limitation: US Pat. 8,448,405; 8,707,654; 8,689,517; 8,707,655; and/or 8,752,338.
ZDSFA-15 AL / ZDSFA-15 AL BLK

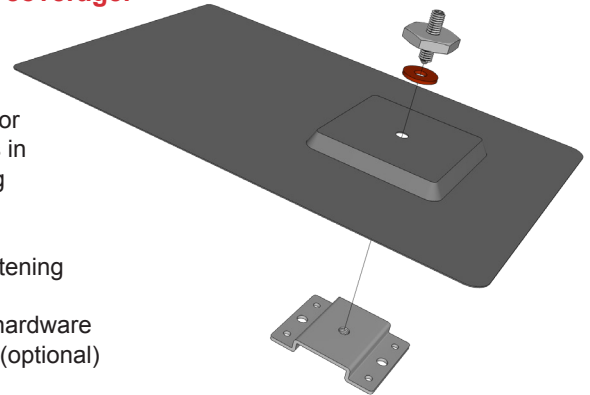
Use the following instructions to install the Zilla® Double Stud Flashing into structural members per system design specifications. Follow shingle manufacturer recommendations and AHJ requirements for exposure and proper coverage.

Parts included in the assembly:

- Zilla® Base Plate
- Zilla® Flashing
- Zilla® Double Stud with Encapsulated Gland Washer

Other requirements:

- Appropriate fastening hardware for approved method of attachments in accordance with Authority Having Jurisdiction (AHJ)
- Drill/Driver to secure hardware
- Drill bit for pilot hole to match fastening hardware (optional).
- Drive socket to match fastening hardware
- Appropriate caulk and caulk gun (optional)



Installation Steps

Withdrawal (Pull-Out) Capacities (pounds per inch of thread penetration)

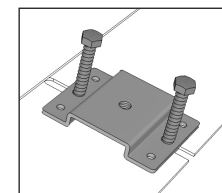
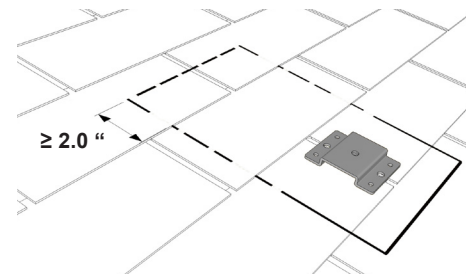
LUMBER SPECIES	SPECIFIC GRAVITY	1/4" LAG SCREW	5/16" LAG SCREW	3/8" LAG SCREW
Douglas Fir-Larch	0.5	252	298	342
Douglas Fir-South	0.46	223	263	301
Englemann Spruce-Lodgepole Pine	0.46	223	263	301
Hem-Fir	0.43	200	237	272
Hem-Fir (North)	0.46	223	263	301
Southern Pine	0.55	291	344	394
Spruce-Pine-Fir	0.42	194	230	263
Spruce-Pine-Fir (South)	0.36	153	183	208
Western Cedars	0.36	153	183	208
OSB/Plywood	0.5	252	298	342

Assumptions:

- Tabulated values above based on American Wood Council, NDS 2012 Table 10.3.1 and Table 11.2A
- Information for reference only. Engineer of Record shall be consulted for actual design.
- Thread penetration does not include roofing thickness
- Wind Uplift Load Duration, 10 minutes: CD =1.6
- Values listed above for dry (MC < 19%) lumber
- Rooftop Temperature Range, 125° F < T ≤ 150° F: Ct =0.7
- Thread penetration into side grain of structural member

1 Attach the Base Plate

Place Base Plate upon deck so installed Flashing is ≥ 2.0" beneath shingle course above in accordance with AHJ.



Vertical or horizontal Structural method

Attach the Base Plate with approved fasteners per AHJ or engineer of record. DO NOT OVERTIGHTEN FASTENERS!

Continued on next page

Zilla® So Simple It's ScarySM

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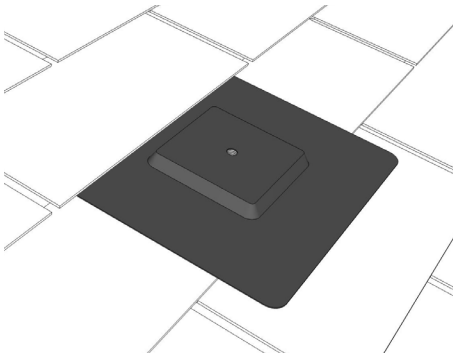
Zilla® Double Stud Flashing

Installation Instructions Continued

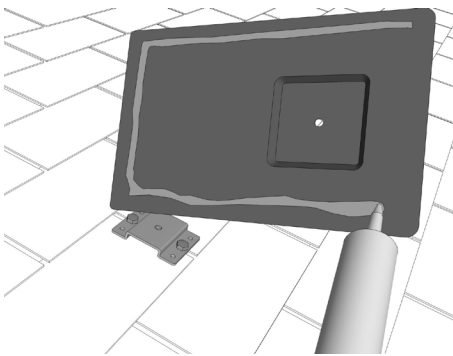
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Installation Steps

2 Attach the Flashing
Carefully install the Flashing under the shingle course above with the required coverage. Follow shingle manufacturer recommendations and AHJ requirements for exposure and proper coverage.

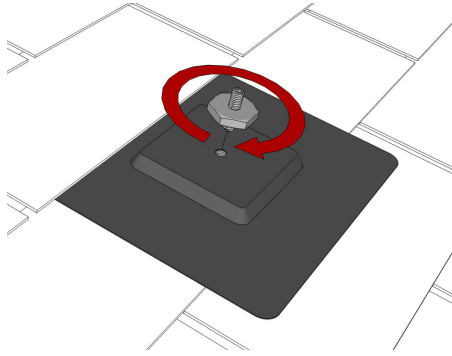


Align the Flashing over the threaded hole in the Base Plate.



Optional: On the underside of the Flashing, apply a bead of caulk to the top and both sides of the Flashing prior to installation for added protection. Do not caulk the lower sloped edge of the Flashing.

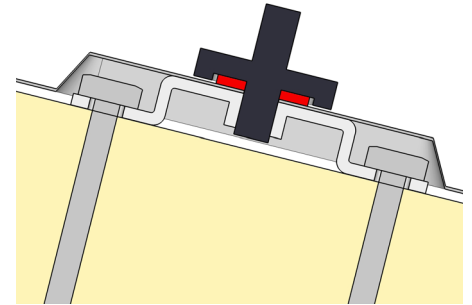
3 Attach the Double Stud
Thread the Double Stud with the washer side down into the hole. Turn the Double Stud by hand to sandwich the Flashing between Base Plate and Double Stud (washer).



NOTE: Once the Flashing is in firm contact with the Base Plate and washer, turn the Double Stud 1/4 turn to tighten.

DO NOT OVERTIGHTEN the Double Stud.

4 Inspect the Connection
Visually inspect the connection. Verify the Washer is properly seated and the reveal around the Gland Nut is even.



Congratulations: the Zilla® Double Stud Flashing Assembly is now complete – So Simple It's Scary!™

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