Garrdal Installation Manual

Attention! Garrdal fits most, but not all pipe sizes. Before installation, please confirm that the pipe you are trying to install Garrdal on is no larger than 5 inches in diameter. Using Garrdal for pipes larger than 5 inches will result in a seal that is not watertight, ultimately defeating the purpose of the pipe flashing.

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1) Ice and water shield should be on the roof deck and shingles should be installed up to the pipe that needs flashed.

2) Lubricate the pipe, especially when using the innermost ribbed circle of the flashing collar. The collar should slide down the pipe with little to no resistance. Dragging and friction can cause damage to the collar, resulting in a seal that is not watertight.

3) Dry fit and trim both the upper and lower halves of the Garrdal 2-part flashing. Make sure to remember that the collar of the lower half needs to be trimmed as to allow the upper collar to seal around the pipe. Failing to do so can result in a seal that is not watertight.

4) Fasten the lower Half first, notice that each part of the Garrdal 2-part flashing is labeled where the fasteners are recommended to be placed.

NOTE* If your jurisdiction has a mandated code for fasteners to use or a compliant code for placement of the fasteners, attach Garrdal according to local code.

5) Lubricate the pipe and dry fit the upper half of the flashing. Trim accordingly.

6) Apply sealant between the upper and lower halves. This will deter bugs and driving rain. See below for notes on approved sealants.

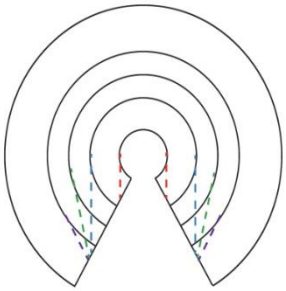
7) Fasten the upper half of the flashing.

8) Shingle as you would any other flashing. Seal assist where necessary.

Please review the pictures below for further information.

This image shows IMPROPER TRIMMING. An untrimmed collar of the lower (eaves side) does not allow the upper Garrdal piece to properly seal against the pipe.

Please be sure to trim the lower half properly in order to prevent leaks.



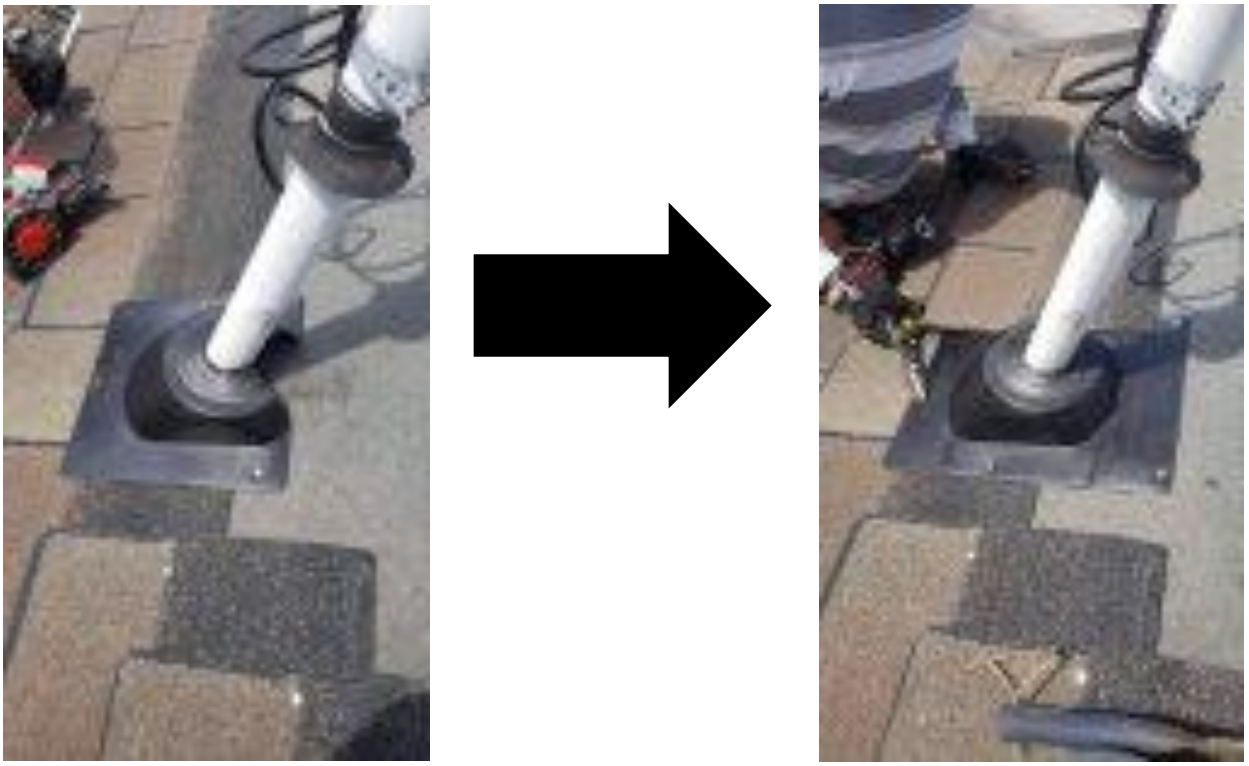
The collar or gasket of the bottom half of Garrdal needs to be trimmed, not just in a circular fashion around the inside of the collar, but also to prevent the remaining edges from "creeping" or climbing up the pipe and stopping the upper portion from pushing against the pipe.

Here we can see this bottom half has been dry fitted onto a 45 degree angle or 12/12 pitch and is marked for cutting.

Here the collar has been cut and the bottom half is now ready to be fastened to the roof.

Untrimmed

Trimmed



After dry fitting the bottom half, cutting it to tightness and fastening it down. Next, dry fit the top half, cut it to tightness, remove the top half and then apply sealant. Replace the top half and fasten it down. The Installation is now complete.

Please read about sealants below.

Sealing Garrdal

Attention! There are many different types of caulks and sealants, many have different characteristics. Some are meant for an outside bead to air cure and others are OK as a sealant between layers. Choosing the correct sealant will result is a tighter bond and the best results. Please confirm what you are using works with the rigid portion of GARRDAL, known as a polymer, called Copylene.

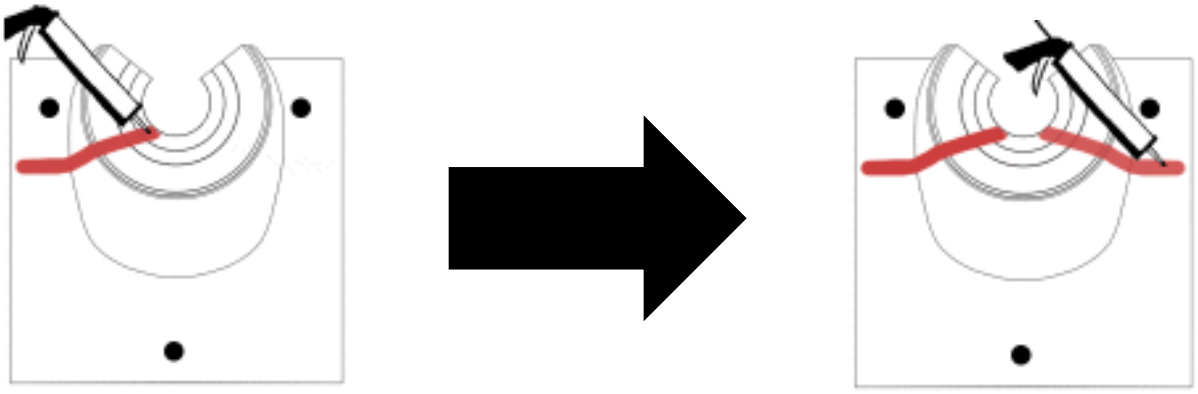
Recommended sealants based on adhesion, flexibility and compatibility with Garrdal materials:

- Lasalle Bristol XTRM Universal Sealant
- Freedom Flash by Kool Seal (Sherwin Williams)
- MS Hybrid Roofing Sealant by Uniflex (Sherwin Williams)
- Bostik Pro-MS 50
- Geocel 4500 (with primer)
- 3M weatherstrip adhesive.
- Lucas 6600
- Karna flex WB
- Karna Flex, Rubberized Elastomeric Sealant.
- Boss 125 multi-seal
- Gardner Neoprene flashing cement
- Alpha Sealants 1010 or 1021
- Dicor 501 or 551
- Henry 900
- M1 by Chemlink

Safe on Garrdal materials but not on shingles:

- Black Jack super flash cement.

Applying the Sealant



The picture above shows how to properly seal Garrdal. However, we also recommend the horizontal hump on the upper portion that goes over the rigid lower portion get a dab of sealant or silicone to stop water from running sideways. Seal assisting is a good idea for most accessories or shingle manipulations. The hump is necessary so the pieces nest together. A dab on the hump (under the shingles) will prevent rain from running horizontally.