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Oatey 14090

Oatey 14090 Aluminum Roof Flashing Instruction Manual

Model: 14090 | Brand: Oatey

PRODUCT OVERVIEW

The Oatey 14090 Aluminum Roof Flashing provides a simple and effective solution for flashing penetrations through various roof types, including metal roofs. This product is designed to create a watertight seal around electrical mast connections and other pipe penetrations, ensuring protection against water intrusion. It comes clearly labeled with its corresponding diameter and features markings for easy sizing to fit individual applications.



Image: Oatey 14090 Aluminum Roof Flashing, showing the aluminum base and rubber collar.

Key Features:

- Simple solution for flashing penetrations through metal roofs.
- Labeled with corresponding diameter for easy identification.
- Marked with dimensions for precise sizing to fit various applications.
- Durable aluminum construction for longevity.

PRODUCT SELECTION GUIDE

Choosing the correct roof flashing is crucial for a watertight and durable installation. Consider the following factors when selecting your Oatey roof flashing:

1. **Determine the Pipe Size:** Measure the interior diameter of the pipe requiring flashing. Oatey offers a variety of flashing collars for different pipe diameters, typically ranging from 1/2 inch to 4 inches. Self-sealing collars require no caulking and easily slide over pipes.
2. **Determine Roof Pitch:** Most flashings are designed for roofs with a pitch up to 40 degrees. If your roof has a steeper pitch (more than 40 degrees), select an Oatey High Rise flashing.

3. **Choose the Base Size of the Flashing:** The base size is usually determined by local building codes. It is recommended to check with your local jurisdiction to find the proper base size. Oatey offers a variety of base sizes, including 10 in. x 13-1/4 in., 11 in. x 14-1/2 in., 11 in. x 15 in., 11-1/2 in. x 14 in., 12 in. x 15 in., 12 in. x 16 in., 18 in. x 18 in., 9 in. x 11 in., 9 in. x 12-1/2 in., and 9-1/4 in. x 13 in.
4. **Choose the Material Type of the Flashing's Base:** Oatey offers various base materials, including aluminum, copper, galvanized steel, and plastic. Many choose a material that matches or blends with the color of their shingles for aesthetic reasons. Others prefer a durable plastic base for its flexibility and ease of installation.
5. **Determine Any Other Factors:** Consider environmental factors such as temperature, UV exposure, and proximity to saltwater, as these may affect the flashing's performance and longevity. Oatey offers flashings suitable for every scenario, including side flashings, solar flashings, and Master Flashings for metal roofs.

Your browser does not support the video tag.

Video: How to Select Roof Flashings. This video provides a step-by-step guide to confidently choose the correct Oatey roof flashing for your needs, covering pipe size, roof pitch, base size, and material type.

INSTALLATION INSTRUCTIONS

Proper installation of the Oatey 14090 Aluminum Roof Flashing is essential for ensuring a watertight seal and long-term performance. Follow these steps carefully:

1. **Prepare the Roof:** Ensure the roof area around the penetration is clear of debris. A waterproof underlayment should already be applied.
2. **Prepare the Pipe:** Chamfer the end of the pipe that will pass through the flashing. This helps prevent damage to the flashing collar during installation.
3. **Install Shingles:** Install shingles in rows, starting from the bottom of the roof and working upwards towards the pipe penetration. Overlap the row below for good waterproofing qualities.
4. **Position the Flashing:** Once you are near the pipe penetration, push the flashing down over the chamfered pipe end. Position the flashing flush against the waterproof layer and shingles.
5. **Secure the Flashing:** Secure the flashing using roofing nails. These nails should be concealed under the next few rows of shingles to maintain a leak-free roofing system.
6. **Complete Shingle Installation:** Continue installing shingles in rows up to the top of the roof, ensuring proper overlap and sealing around the flashing.
7. **Test for Leaks:** After installation, test the flashing by running water over it from a hose for 3 to 5 minutes to ensure there are no leaks.

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Video: How to Install Roof Flashing. This video demonstrates the proper steps for installing an Oatey roof flashing, from preparing the roof and pipe to securing the flashing and completing shingle installation.

OPERATING PRINCIPLES

The Oatey 14090 Aluminum Roof Flashing functions as a critical component in a roofing system by providing a durable, watertight seal around pipe penetrations. Its design ensures that water is shed away from the opening, preventing leaks into the building structure. The flexible collar forms a tight seal around the pipe, while the broad base integrates seamlessly with the roofing material, directing rainwater over the flashing and down the roof.

MAINTENANCE

Regular inspection and maintenance can extend the life of your Oatey roof flashing and prevent potential leaks:

- **Annual Inspection:** Annually inspect the flashing for any signs of wear, cracking, or damage, especially after severe weather conditions.
- **Clear Debris:** Ensure that no leaves, branches, or other debris accumulate around the flashing, as this can trap water and lead to deterioration.
- **Check Seal:** Verify that the seal around the pipe remains tight and free from gaps.
- **Address Damage Promptly:** Any visible damage to the flashing or surrounding roofing material should be addressed by a qualified professional immediately to prevent water damage.

TROUBLESHOOTING

If you experience issues with your roof flashing, consider the following common problems and solutions:

- **Leaks Around the Pipe:** This often indicates a compromised seal between the pipe and the flashing collar. Ensure the collar is properly seated and consider applying a compatible sealant if necessary.
- **Water Stains on Ceiling Below:** This is a strong indicator of a roof leak. Inspect the flashing and surrounding shingles for any cracks, gaps, or displaced materials.
- **Damaged Flashing Material:** Extreme weather or UV exposure can degrade flashing materials over time. If the flashing is cracked or brittle, it may need to be replaced.
- **Improper Installation:** If leaks occur shortly after installation, the flashing may not have been installed correctly. Review the installation instructions or consult a roofing professional.

SPECIFICATIONS

Attribute	Detail
Model Number	14090
Material	Aluminum base with Plastic collar
Color	Black
Item Weight	1.4 pounds
Product Dimensions	16 x 16 x 4 inches
Pipe Diameter Compatibility	5-3/8 inches (as per product title, collar is adjustable)
Base Size	15" x 15" (as per product title)
Country Of Origin	United States

WARRANTY

For detailed warranty information regarding the Oatey 14090 Aluminum Roof Flashing, please refer to the official Oatey website or contact Oatey customer service directly. Warranty terms and conditions may vary.

SUPPORT

If you require further assistance, have questions about installation, or need to troubleshoot an issue, please visit the [Oatey Store on Amazon](#) or the official Oatey website for contact information and additional resources.