

IAPMO PS 64-2012a^{e1}

Roof Pipe Flashings



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1 Scope

- 1.1** This Standard covers roof pipe flashings intended for
- (a) use with smooth-walled metallic and plastic piping, cable, or conduit; and
 - (b) installation on roofs covered with asphalt shingles, clay tiles, concrete tiles, slate tiles, metal roofing systems, wood shakes, and wood shingles.
- 1.2** This Standard specifies requirements for materials, dimensions and physical characteristics, performance testing, and markings of roof pipe flashings.
- 1.3** The requirements of this Standard are not intended to prevent the use of alternative materials or methods of construction provided such alternatives meet the intent and requirements of this Standard.
- 1.4** Proposals for amendments to this Standard will be processed in accordance with the standards writing procedures of IAPMO.
- 1.5** The user's attention is called to the possibility that compliance with this Standard may require use of an invention covered by patent rights. By publication of this Standard, no position is taken with respect to the validity of any such claim(s) or of any patent rights in connection therewith. If a patent holder has filed a statement of willingness to grant a license under these rights on reasonable and nondiscriminatory terms and conditions to applicants desiring to obtain such a license, then details can be obtained from IAPMO.

2 Reference Publications

This Standard refers to the following publications, and where such reference is made, it shall be to the current edition of those publications, including all amendments published thereto.

ASTM A653	Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
ASTM B152	Standard Specification for Copper Sheet, Strip, Plate, and Rolled Bar
ASTM B209	Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
ASTM D412	Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension
ASTM D471	Standard Test Method for Rubber Property—Effect of Liquids
ASTM D624	Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
ASTM D638	Standard Test Method for Tensile Properties of Plastics

ASTM D1149	Standard Test Methods for Rubber Deterioration-Cracking in an Ozone Controlled Environment
ASTM D1171	Standard Test Method for Rubber Deterioration—Surface Ozone Cracking Outdoors or Chamber (Triangular Specimens)
ASTM D2137	Standard Test Methods for Rubber Property - Brittleness Point of Flexible Polymers and Coated Fabrics
ASTM G154	Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
UL 94	Tests for Flammability of Plastic Materials for Parts in Devices and Appliances
UL 441	Gas Vents

3 Definitions

The following definitions shall apply in this Standard:

Cone — the elastomeric portion of the roof pipe flashing molded to form a watertight seal around the pipe, cable, or conduit (see Figure 1).

Note: *The cone is also referred to as “boot”, “bubble”, or “collar”.*

Elastomer — natural or synthetic rubber that is able to resume its original shape when the deforming force is removed.

Flange — a piece of metal or elastomer used to attach the roof pipe flashing to the roof (see Figure 1).

Flexible flashing — a one piece roof pipe flashing entirely molded from an elastomer.

Insert — a piece of metal that is molded into the skirt to facilitate attaching the roof pipe flashing to metal roofs using screws.

Skirt — the elastomeric portion that extends from the cone for providing a surface for attaching the flange or the insert (see Figure 1).

4 General Requirements

4.1 General

4.1.1 Roof pipe flashings shall be designed to accommodate a wide range of pitches, in accordance with the manufacturer's installation instructions.

4.1.2 Roof pipe flashings shall be designed to seal the joint between the pipe and the roof area at the roof penetration.