



# Standard Specification for Nonvulcanized (Uncured) Rubber Sheet Used as Roof Flashing<sup>1</sup>

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## 1. Scope

1.1 This specification covers nonvulcanized (uncured) rubber sheet made of EPDM (ethylene-propylene-diene terpolymer) or CR (polychloroprene) intended for use as watertight roof flashing exposed to the weather.

1.2 The tests and property limits used to characterize these flashing materials are specific for each classification and are minimum values to make the product fit for its intended purpose.

1.3 SI units shall be used in referee decisions.

1.4 In-place roof system design criteria, such as fire resistance, field seaming strength, material compatibility, and uplift resistance, among others, are beyond the scope of this specification.

1.5 The following precautionary caveat pertains to the test methods portion only, Section 8, of this specification: *This standard may involve hazardous materials, operations, and equipment. This standard does not purport to address the safety concerns associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

## 2. Referenced Documents

### 2.1 ASTM Standards:<sup>2</sup>

- D 412 Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension
- D 471 Test Methods for Rubber Property—Effect of Liquids
- D 518 Test Method for Rubber Deterioration—Surface Cracking
- D 573 Test Methods for Rubber—Deterioration in Air Oven

- D 624 Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
- D 1079 Terminology Relating to Roofing, Waterproofing, and Bituminous Materials
- D 1149 Test Method for Rubber Deterioration—Surface Ozone Cracking in a Chamber
- D 1204 Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheet or Film at Elevated Temperatures
- D 1418 Practice for Rubber and Rubber Latices—Nomenclature
- D 2137 Test Methods for Rubber Property—Brittleness Point of Flexible Polymers and Coated Fabrics
- D 3182 Practice for Rubber—Materials, Equipment, and Procedures for Mixing Standard Compounds and Preparing Standard Vulcanized Sheets
- G 151 Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources
- G 154 Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
- G 155 Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials

## 3. Classification

3.1 The following types are used to identify the principal polymer components of the flashing material (see Note 1):

- 3.1.1 *Type I*—Ethylene-Propylene-Diene Terpolymer (EPDM).
- 3.1.2 *Type II*—Chloroprene Polymer (CR).

NOTE 1—For definitions of polymer types, see Practice D 1418. For definitions of terms related to roofing, see Terminology D 1079.

3.2 The following classes describe the ability to vulcanize on the roof:

- 3.2.1 Class V—Vulcanizing.
- 3.2.2 Class NV—Nonvulcanizing.

NOTE 2—Class V compounds continue to vulcanize (that is, cure) after emplacement on the roof. Class NV indicates non-vulcanizable compounds.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.