



Standard Terminology Relating to Roofing, Waterproofing, and Bituminous Materials¹

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1. Referenced Documents

1.1 *ASTM Standards*:

- C 33 Specification for Concrete Aggregates²
- C 591 Specification for Unfaced Preformed Rigid Cellular Polyisocyanurate Thermal Insulation³
- C 1289 Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board³
- D 312 Specification for Asphalt Used in Roofing⁴
- D 450 Specification for Coal-Tar Pitch Used in Roofing, Dampproofing, and Waterproofing⁴
- D 698 Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (12 400 ft-lbf/ft³(600 kN-m/m³))⁵
- D 727 Test Method for Kerosine Number of Roofing and Flooring Felt by the Vacuum Method⁶
- D 1557 Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (56 000 ft-lbf/ft³(2,700 kN-m/m³))⁵
- D 2822 Specification for Asphalt Roof Cement⁴
- D 4022 Specification for Coal Tar Roof Cement, Asbestos Containing⁴
- D 4586 Specification for Asphalt Roof Cement, Asbestos-Free⁴

2. Terminology

2.1 *Definitions*:

accelerated weathering, v —the exposure of a specimen to a specified test environment for a specified time with the intent of producing, in a shorter time period, effects similar to actual weathering.

aggregate—(1) crushed stone, crushed slag, or water-worn gravel used for surfacing a built-up roof;
(2) any granular mineral material.

alligatoring—the cracking of the surfacing bitumen on a built-up roof, producing a pattern of cracks similar to an alligator's hide; the cracks may not extend through the surfacing bitumen.

anionic emulsion—an emulsion in which the emulsifying system establishes a predominance of negative charges on the discontinuous phase.

application rate—the quantity (mass, volume or thickness) of material applied per unit area.

artificial weathering, v —exposure to conditions, which may be cyclic, involving temperature, relative humidity, radiant energy, and/or any other conditions or pollutants found in the atmosphere in various geographical areas, which may accelerate changes in properties of materials over those of natural weather conditions.

asbestos—a group of natural fibrous impure silicate materials.

asphalt—a dark brown to black cementitious material in which the predominating constituents are bitumens which occur in nature or are obtained in petroleum processing.

asphalt, air blown—an asphalt produced by blowing air through molten asphalt at an elevated temperature to raise its softening point and modify other properties.

asphaltene—a high molecular weight hydrocarbon fraction precipitated from asphalt by a designated paraffinic naphtha solvent at a specified temperature and solvent-asphalt ratio.

DISCUSSION—The asphaltene fraction should be identified by the temperature and solvent-asphalt ratio used.

asphalt felt—an asphalt-saturated felt.

asphalt, steam blown—an asphalt produced by blowing steam through molten asphalt to modify its properties.

asphaltite—a natural asphalt found below ground level.

asphalt mastic—a mixture of asphaltic material and graded mineral aggregate that can be poured when heated, but requires mechanical manipulation to apply.

asphalt rock (rock asphalt)—a naturally occurring rock formation, usually limestone or sandstone, containing throughout its mass a minor amount of asphalt.

asphalt roof cement, n —a trowelable mixture of asphalt, solvents, mineral stabilizers, fillers or fibers, or both. See Specifications D 2822 and D 4586.

asphalt roof cement, n —see *flashing cement*.

backnailing—the practice of blind-nailing roofing felts to a substrate in addition to hot-mopping to prevent slippage.

¹ This terminology is under the jurisdiction of ASTM Committee D08 on Roofing, Waterproofing, and Bituminous Materials and is the direct responsibility of Subcommittee D08.01 on Nomenclature, Definitions, and Editorial.

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² *Annual Book of ASTM Standards*, Vol 04.02.

³ *Annual Book of ASTM Standards*, Vol 04.06.

⁴ *Annual Book of ASTM Standards*, Vol 04.04.

⁵ *Annual Book of ASTM Standards*, Vol 04.08.

⁶ *Annual Book of ASTM Standards*, Vol 15.09.