



Standard Terminology for Non-Asbestos Fiber-Reinforced Cement Products¹

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1. Scope

1.1 This standard covers definitions pertaining to non-asbestos fiber-reinforced cement products under the jurisdiction of Committee C-17.

2. Referenced Documents

2.1 ASTM Standards:

C 150 Specification for Portland Cement²

C 428 Specification for Asbestos-Cement Nonpressure Sewer Pipe³

C 618 Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Concrete⁴

C 966 Guide for Installing Asbestos-Cement Nonpressure Pipe³

C 1185 Test Methods for Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards³

C 1186 Specification for Flat Non-Asbestos Fiber-Cement Sheets³

D 1118 Test Method for Magnetic Rating of Asbestos Fiber and Products³

3. Terminology

accessories, *n*—subordinate material such as fasteners, backer strips, closure strips, ridge and corner rolls, roofing starters and finishing pieces, couplings, gaskets, pipe fittings or other supplementary material necessary for the proper application of primary fiber-reinforced cement products.

American method, *n*—*in shingles*, a method of application for roofing shingles, generally rectangular in shape, to provide double coverage with head lap and no side lap.

asphalt felt, breather type, *n*—an underlayment sheet material saturated with asphalt, which allows the transmission of water vapor.

autoclaved products, *n*—those that have been treated in a saturated steam atmosphere at between 620 and 1517 kPa

(90 and 220 psi,) for at least 6 h, and that contain portland cement as defined in Specifications C 150 and C 618 together with silica in the ratio of 3:2 that can react to form calcium silicate reaction products.

backer strips, *n*—*in shingles*, water-repellent strips of asphalt-coated felt applied behind each joint where the vertical edges of two shingles meet.

batten, *n*—a long narrow strip, either flat or corrugated, used to conceal the joints in butt joint application of flat or corrugated sheets.

caulking, *n*—a material ranging in physical characteristics from plastic, to solid, to preformed, used to seal and waterproof joints and overlaps in structures, other assemblies, or portions thereof where movement may occur.

cement-bonded particle board, *n*—manufactured flat sheets of hydraulic cementitious matrices and fibrous wood particles.

clip, *n*—*in shingles*—See **storm anchor**.

closure strip, *n*—an asphalt or rubber preformed filler strip having the same shape and pitch as the corrugated product, used to close openings in the corrugated sheets at window beads, eaves, lower edge of siding, and similar places.

compacted backfill, *n*—*in pipe laying*, backfill material which has been compacted to the density specified by the engineer.

conduit, *n*—pipe used to protect wires for electric-power or communication systems, for both underground and exposed situations.

constructor, *n*—*in pipe laying*, the party that furnishes the work and materials for placement and installation.

corner rolls, *n*—half-round units used to trim and flash corners in corrugated application.

corrugated, *adj*—pertaining to a sheet product having a design of sinusoidal alternating ridges and valleys manufactured according to a specific pitch.

coupling, *n*—*in nonpressure sewer pipe*, a section for joining nonpressure sewer pipe, that when properly installed with the proper accessories, develops an assembled joint equivalent in serviceability and strength to the pipe sections, when tested in accordance with 8.3 of Specification C 428.

crushing strength, *n*—*for pipes*, a property of solid material that indicates its ability to withstand collapse from external, compressive loads.

cure, *n*—the reaction mechanism in which the physical, chemical and mechanical properties of a hydraulic cement

¹ This terminology is under the jurisdiction of ASTM Committee C-17 on Fiber-Reinforced Cement Products and is the direct responsibility of Subcommittee C17.91 on Editorial and Terminology.

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² *Annual Book of ASTM Standards*, Vol 04.01.

³ *Annual Book of ASTM Standards*, Vol 04.05.

⁴ *Annual Book of ASTM Standards*, Vol 04.02.