



Standard Specification for WOOD PAVING BLOCKS FOR EXPOSED PLATFORMS, PAVEMENTS, DRIVEWAYS, AND INTERIOR FLOORS EXPOSED TO WET AND DRY CONDITIONS¹

This standard is issued under the fixed designation D 52; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers creosoted end grain wood paving blocks for exposed platforms, pavements, and other areas exposed to alternately wet and dry conditions. The specification is divided into two parts, one covering material and the other a recommended practice for installation.

PART I—MATERIAL

2. Species of Timber

2.1 The wood, which shall be treated, shall be southern pine, Douglas fir, oak, gum, or other species mutually agreed upon by the purchaser and the seller. Only one kind of wood shall be used in any one contract.

3. Quality of Timber

3.1 The blocks shall be sound and well manufactured, square butted and square edged, and shall be free from unsound loose or hollow knots, knot holes, and other defects such as shakes, checks, etc., that would be detrimental to the blocks.

3.2 Blocks manufactured of southern pine or Douglas fir shall average not less than four annual rings per inch measured over the third, fourth, and fifth inches from the pith. In blocks not containing the pith, measurement shall be made on a 3-in. (76-mm) radial line over a portion of the cross section that is representative of the average growth. No block shall have less than three rings per inch measured as above, and not more than 5 percent of the pieces in any lot may have three rings per inch.

4. Size of Blocks

4.1 The blocks shall be from 5 to 8 in. (127 to 203.2 mm) in length, but the length shall not exceed three times the depth; they shall be 2 to 4 in. (50 to 101.6 mm) in depth parallel to grain. They may be $2\frac{1}{2}$ to 4 in. (63 to 101.6 mm) in width, but on any one area all shall be of uniform width. Permissible variations from the specified dimensions shall not exceed $\frac{1}{16}$ in. (1 mm) in depth and $\frac{1}{8}$ in. (3 mm) in width. In all cases the width shall be greater or less than the depth by at least $\frac{1}{4}$ in. (6 mm).

5. Preservative

5.1 The preservative used shall be either creosote furnished in accordance with ASTM Specification D 390, Coal-Tar Creosote for the Preservative Treatment of Piles, Poles, and Timbers for Marine, Land and Fresh Water Use,² or creosote coal-tar solution furnished in accordance with ASTM Specification D 391, Creosote-Coal Tar Solution.²

6. Preservative Treatment

6.1 The timber may be green or partially air-seasoned with moisture content not less than 30 percent and treated with not less than 10 lb of creosote oil per cubic foot of timber by a standard pressure process, with thorough diffusion throughout the sapwood.

¹ This specification is under the jurisdiction of ASTM Committee D-7 on Wood.

Current edition effective Sept. 28, 1962. Originally issued 1918. Replaces D 52 - 59 T.

² Annual Book of ASTM Standards, Vol 04.09.