



Standard Guide for Application of Asphalt Based Protection Board¹

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1. Scope

1.1 This guide lists minimum application and installation requirements for semi-rigid protection board when used as protection for below grade or below wearing surface (like plaza decks) waterproofing.

1.2 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this guide to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.* For specific precautionary statement, see Section 8.

2. Referenced Documents

2.1 ASTM Standards:

D 1079 Terminology Relating to Roofing, Waterproofing and Bituminous Materials²

D 5957 Guide for Flood Testing Horizontal Waterproofing Installations²

3. Terminology

3.1 *Definitions*—For definitions of terms relating to waterproofing, see Terminology D 1079.

4. Significance and Use

4.1 This guide outlines general procedures for the storage and application of semi-rigid protection board to below grade and below wearing surface waterproofing. The proper application is necessary to prevent damage to the waterproofing membrane during backfilling, paving, or other construction operations, as well as to minimize the effects of soil stresses.

4.2 This guide is intended to supplement instructions from designers and manufacturers.

5. Delivery of Materials

5.1 Deliver materials in supplier's original containers and packaging.

6. Storage and Handling

6.1 Store adhesive and mastic in tightly closed original containers under conditions as recommended by the manufacturer.

6.2 Store the protection board in supplier's original packaging in a horizontal position to prevent deformation. Protect against exposure to direct sunlight, precipitation, dust, and other such contaminants.

7. Materials

7.1 Adhesive, when used, must be acceptable to or have been recommended by the waterproofing membrane manufacturer or supplier and further must be fully compatible with the membrane and the asphalt protection board.

7.2 Mastic and/or tape (if used on the joints) must be acceptable to or have been recommended by the waterproofing membrane manufacturer or supplier and further be fully compatible with the membrane and the asphalt protection board.

8. Safety Precautions

8.1 Store flammable materials in a manner that will not pose a fire hazard. Solvent bearing adhesives may be flammable. Do not use flammable materials near an open flame or equipment that may produce sparks.

9. Environmental Conditions at Time of Application

9.1 Environmental conditions under which installation may proceed shall be as recommended by the suppliers of the adhesive and the protection board.

10. Substrate Preparation

10.1 The waterproofing membrane must be clean and sufficiently dry so as not to interfere with adhesion of the protection board.

10.2 If a flood test of the membrane is desired, this test should be made before placing the protection course, in accordance with Guide D 5957.

11. Installation

11.1 Install protection board within 24 h of completing the waterproofing membrane installation. Delay installation of the protection board until the waterproofing film cures. If flood testing is conducted the application should be as soon as

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² *Annual Book of ASTM Standards*, Vol 04.04.