

Utilize this section to specify bituminous waterproofing in sheet form for use on below-grade walls and decks.

Bituminous sheet waterproofing is a “peel-and-stick” product that is applied to solid surfaces including concrete and masonry on below-grade walls and plaza decks. This type of waterproofing must be covered by soil or other construction. Bituminous sheet waterproofing comes in roll form with a release paper and is self-adhering.

Bituminous sheet waterproofing is inherently self-sealing so small punctures and fastener holes do not require special treatment. The fact that it is only 36 inches wide results in numerous lap joints, which can be the weakest part of the system.

This waterproofing requires a protection course to prevent damage during backfilling and placement of overlying construction. A drainage course applied over the waterproofing reduces hydrostatic pressure, thereby reducing the possibility of leaks. Some drainage boards can also act as the protection course.

SECTION 07 13 13 - BITUMINOUS SHEET WATERPROOFING

PART 1 GENERAL

1.1 SUBMITTALS

- A. Action Submittals:
 - 1. Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.
 - 2. Product Data: Manufacturer’s descriptive data and product attributes for waterproofing.

1.2 ADMINISTRATIVE REQUIREMENTS

- A. Pre-Installation Conference:
 - 1. Attendance: [Design Professional,] [Owner,] [Contractor,] [Construction Manager,] [Design/Builder,] installer, and related trades.
 - 2. Review: Project conditions, manufacturer requirements, delivery and storage, staging and sequencing, and protection of completed work.

1.3 QUALITY ASSURANCE

- A. Installer Qualifications:
 - 1. Firm specializing in work of this Section with minimum [2] [] years’ experience.
 - 2. Approved by waterproofing manufacturer.

1.4 WARRANTIES

- A. Manufacturer’s [2] [] year warranty against water leakage through waterproofing system.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Following manufacturers are acceptable if products meet specified requirements:
 - 1. Carlisle Coatings and Waterproofing. www.carlisle-ccw.com
 - 2. GCP Applied Technologies. www.gcpat.com
 - 3. Mapei. www.mapei.us
 - 4. W.R. Meadows. www.wrmeadows.com
 - 5. Polyguard Products. www.polyguardproducts.com
- B. Substitutions: [Refer to Division 01.] [Not permitted.]

2.2 MATERIALS

- A. Bituminous Sheet Membrane Waterproofing System:
 - 1. Type: Preformed rubberized asphalt laminated to polyethylene, with release paper facing, self-adhering.
 - 2. Thickness: Minimum [60] [] mils.
 - 3. Moisture vapor permeance: Maximum [0.1] [] perms, tested to ASTM E96/E96M.
 - 4. Water absorption, membrane: Maximum [0.2] [] percent by weight, tested to ASTM D570.

2.3 ACCESSORIES

- A. Termination Bar: Galvanized steel, minimum [22] [] gage, [2] [] inches high, [G90] [] hot-dip galvanized coating.
- B. Drainage Board: Molded plastic sheet drainage core with geotextile facing.
- C. Protection Board: Waterproofing manufacturer's standard product.

PART 3 EXECUTION

3.1 INSTALLATION - WATERPROOFING

- A. Install waterproofing system in accordance with manufacturer's instructions, NRCA Manual, and approved Shop Drawings.
- B. [Lap top edge of membrane over top of wall.] [Terminate top edge of membrane at grade [with bead of mastic.] [with metal termination bar.]
- C. Terminate bottom edge of membrane within [1] [] inch of bottom of wall; seal edge with trowel bead of mastic.

3.2 INSTALLATION - [DRAINAGE] [PROTECTION] BOARD

- A. Install in accordance with manufacturer's instructions.

END OF SECTION