
SIMPLE SPECS

WHY ZERODOCS SPECS ARE BETTER...

Industry Standard Classifications

This specification is part of S-Specs and follows the MasterFormat 50 Division Classifications published by The Construction Specifications Institute (CSI) and Construction Specifications Canada (CSC) to arrange construction materials and activities into similar groupings such as concrete, masonry, or metals.

Designed for Simplicity

The advantage of S-Specs specifications is its simplicity. They are written as a series of Microsoft word files that include statements that affect Construction costs or overall quality and are far simpler to edit than other master specification systems.

S-Specs specifications range in length from 1 to 4 pages and are much easier for tradespeople to understand and follow, resulting in fewer problems on the project site.

None Proprietary

Each S-Spec specification section is non-proprietary and includes three specified manufacturers that meet the specified reference standards, descriptive, or performance-based requirements. They are written to allow any listed manufacturers to provide the specified products.

Streamlined Editing

Each section is edited to suit a particular project's needs using pre-defined options in [brackets] or selecting optional text separated by "OR" statements. Paragraph and page numbering are included as automatic codes, eliminating the need to renumber when revisions are made manually. Changes to headers, footer, terms, and phrases are easily updated using a ZeroDocs Microsoft Word plugin.

[SEE EXAMPLE SPEC BELOW](#)

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