

SECTION 07 13 00 {07130}

SHEET WATERPROOFING

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This section includes sheet butylene, ethylene propylene diene monomer (EPDM), chloroprene/neoprene, polyvinyl chloride (PVC), high density polyethylene (HDPE) bonded with granular bentonite, ethylene copolymer, chlorinated polyethylene (CPE), chlorosulfonated polyethylene (CSPE)/Hypalon, modified bituminous, or composite laminated membrane waterproofing products to function as principal moisture stop in arresting moisture migration to building interior in vertical and horizontal applications. The NRCA Waterproofing Manual is referenced in this section.

Materials are adhesive bonded, self adhered, loose laid, or mechanically secured with subsequent protective cover. Waterproofing is used to resist subsoil or subsurface moisture and prevent moisture migration to building interior under hydrostatic pressure.

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at www.4specs.com, ARCAT at www.arcata.com, First Source at www.reedfirstsource.com, SpecSource at www.specsource.com, and Sweets Network at products.construction.com.

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at supportcenter@csrf.org to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at www.spectext.com for current product announcements.

PART 1 GENERAL

1.1 SUMMARY

A. Section includes sheet membrane waterproofing; [drainage panels] [and] [protective cover].

B. Related Sections:

Board insulation specified in Section 07 21 13 can perform as protective cover over membrane system. Utilize subsequent paragraph to identify other materials used to cover waterproofing membrane.

1. Section 07 21 13 - Board Insulation: Perimeter [and horizontal] insulation [protective cover].
2. Section 07 62 00 - Sheet Metal Flashing and Trim.
3. Section 07 90 00 - Joint Protection.
4. Section 07 95 00 - Expansion Control.

5. Section 22 11 00 - Facility Water Distribution: Roof drain and plumbing vent flashing flanges.
6. Section 31 23 23 - Fill.
7. Section 33 46 00 - Subdrainage.
8. Section [_____-_____]: Grouting joints of precast concrete deck surfaces.

List sections specifying installation of products specified in this section; indicate specific items.

9. Section [_____-_____]: Execution requirements for placement of [flashing devices] [special coated metal] [_____] for Counterflashing work of this section.

C. Related Sections:

1. Section 02320 - Backfill.
2. Section 02620 - Subdrainage.
3. Section 05810 - Expansion Joint Cover Assemblies.
4. Section 07620 - Sheet Metal Flashing and Trim.
5. Section [_____-_____]: Grouting joints of precast concrete deck surfaces.

Board insulation specified in Section 07212 can perform as protective cover over membrane system. Utilize subsequent paragraph to identify other materials used to cover waterproofing membrane.

6. Section 07212 - Board Insulation: Perimeter [and horizontal] insulation [protective cover].
7. Section 07900 - Joint Sealers.
8. Section 15140 - Domestic Water Piping: Roof drain and plumbing vent flashing flanges.

List sections specifying installation of products specified in this section; indicate specific items.

9. Section [_____-_____]: Execution requirements for placement of [flashing devices] [special coated metal] [_____] for Counterflashing work of this section.

1.2 REFERENCES

List reference standards included within text of this section. Edit the following for Project conditions.

A. ASTM International:

1. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension.
2. ASTM D624 - Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers.
3. ASTM D746 - Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact.
4. ASTM D822 - Standard Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings.