

SECTION 07 14 00 {07140}

FLUID-APPLIED WATERPROOFING

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This section includes synthetic liquid rubber, elastomeric, or special compound for waterproofing, hot or cold applied, primarily used under horizontal deck surfaces, above and below grade horizontal slabs, and can be used on buried structures and vertical foundation walls. The NRCA Waterproofing Manual is referenced in this section.

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](http://www.4specs.com), ARCAT at [www.arcata.com](http://www.arcata.com), First Source at [www.reedfirstsource.com](http://www.reedfirstsource.com), SpecSource at [www.specsource.com](http://www.specsource.com), and Sweets Network at [products.construction.com](http://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](mailto:supportcenter@csrf.org) to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at [www.spectext.com](http://www.spectext.com) for current product announcements.

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PART 1 GENERAL

1.1 SUMMARY

A. Section includes fluid applied [rubberized asphalt] [elastomeric] [\_\_\_\_\_] membrane waterproofing; and [surface dusting] [protective covering].

B. Related Sections:

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

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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 95 00 - Expansion Control.
4. Section 22 11 00 - Facility Water Distribution: Roof drain and plumbing vent flashing flanges.
5. Section 31 23 23 - Fill.
6. Section 33 46 00 - Subdrainage.

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

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7. Section [\_\_\_\_\_-\_\_\_\_\_]: Execution requirements for placement of [\_\_\_\_\_] for Counterflashing work of this section.
8. Section [\_\_\_\_\_-\_\_\_\_\_]: Grouting joints of precast concrete deck surfaces.

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.

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

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

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

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8. Section [\_\_\_\_\_-\_\_\_\_\_]: Execution requirements for placement of [\_\_\_\_\_] for Counterflashing work of this section.

## 1.2 REFERENCES

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

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A. ASTM International:

1. ASTM C836 - Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course.
2. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension.
3. ASTM D429 - Standard Test Method for Rubber Property - Adhesion to Rigid Substrates.
4. ASTM D471 - Standard Test Method for Rubber Property - Effect of Liquids.
5. ASTM D624 - Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers.
6. ASTM D746 - Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact.
7. ASTM D822 - Standard Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings.
8. ASTM D1004 - Standard Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting.