

SECTION 07 19 00 {07190}

WATER REPELLENTS

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This section includes breathable colored or transparent water or solvent based liquid usually applied to clay brick, concrete masonry, concrete, porous stone, or stucco surfaces as penetrant sealer or film-forming type coating to retard moisture absorption when applied to above grade porous surfaces, and for stain or soil resistance when applied to interior surfaces.

Consult masonry associations for specific recommendations for use of penetrants and coatings.

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.arcat.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 water repellent coating applied to exterior [and interior] [clay brick] [concrete masonry] [concrete] [stone] [stucco] surfaces.
- B. Related Sections:
 - 1. Section 03 30 00 - Cast-In-Place Concrete: Concrete surfaces.
 - 2. Section 04 20 00 - Unit Masonry: [Clay Brick] [Concrete Masonry] [Stone] surfaces.
 - 3. Section 04 20 13 - Single-Wythe Unit Masonry: [Clay Brick] [Concrete Masonry] [Stone] surfaces.
 - 4. Section 04 20 16 - Reinforced Unit Masonry: [Clay Brick] [Concrete Masonry] [Stone] surfaces.
 - 5. Section 04 42 13 - Masonry-Supported Stone Cladding: Stone surfaces.
 - 6. Section 07 90 00 - Joint Protection.
 - 7. Section 09 24 00 - Portland Cement Plastering: Stucco surfaces.
- C. Related Sections:
 - 1. Section 03300 - Cast-In-Place Concrete: Concrete surfaces.

2. Section 04810 - Unit Masonry Assemblies: [Clay Brick] [Concrete Masonry] [Stone] surfaces.
3. Section 04815 - Single-Wythe Unit Masonry: [Clay Brick] [Concrete Masonry] [Stone] surfaces.
4. Section 04820 - Reinforced Unit Masonry Assemblies: [Clay Brick] [Concrete Masonry] [Stone] surfaces.
5. Section 04853 - Mortar-Placed Stone Assemblies: Stone surfaces.
6. Section 07900 - Joint Sealers.
7. Section 09220 - Portland Cement Plaster: Stucco surfaces.

1.2 REFERENCES

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

- A. ASTM International:
 1. ASTM D1653 - Standard Test Method for Water Vapor Transmission of Organic Coating Films.
 2. ASTM D5703 - Standard Practice for Preparatory Surface Cleaning for Clay Brick Masonry.
 3. ASTM E514 - Standard Test Method for Water Penetration and Leakage Through Masonry.
 4. ASTM G154 - Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials.

1.3 SYSTEM DESCRIPTION

Use this article carefully; restrict statements to describe components used to assemble system. Do not repeat statements made in SUMMARY Article; "Section includes" paragraph.

- A. Applied Penetrant: Material to restrict moisture absorption in material being treated as recommended by manufacturer for specific substrate.

1.4 SUBMITTALS

Only request submittals needed to verify compliance with Project requirements.

- A. Section 01 33 00 - Submittal Procedures {01330 - Submittal Procedures}: Submittal procedures.
- B. Product Data: Submit details of product description, tests performed, limitations to coating, and chemical properties including percentage of solids.
- C. Manufacturer's Installation Instructions: Submit special procedures and conditions requiring special attention, and cautionary procedures required during application.
- D. Manufacturer's Certificate: Certify products meet or exceed specified requirements.