

SECTION 07191

PENETRATING SEALER-PRIMER

PART GENERAL

SECTION INCLUDES

Non-pigmented and pigmented sealer-primer for horizontal and vertical surfaces.

Concrete dustproofer.

RELATED SECTIONS

Section 07140 - Fluid Applied Waterproofing.

Section 09900 - Paints and Coatings.

REFERENCES

ASTM D 1653 - Standard Test Method for Water Vapor Transmission of Organic Coating Films.

ASTM E 514 - Standard Test Method for Water Penetration and Leakage Through Masonry.

FS TT-P-0035 - Paint, Cementitious, Powder, White and Colors (For Interior and Exterior Use).

SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Manufacturer's descriptive literature for sealer-primer; indicate compliance to specified requirements.

Quality Control Submittals:

Manufacturer's instructions: Printed installation instructions for each product, including product storage requirements.

Manufacturer's Safety Data Sheets (M.S.D.S.).

Closeout Submittals:

Special warranty documents: Issued and executed jointly and individually by Contractor and installer of this section.

Manufacturer's warranty document: Issued and executed by manufacturer of sealer-primer.

QUALITY ASSURANCE

Regulatory Requirements: Products shall comply with federal, state, and local volatile organic compounds (VOC) regulations.

Mock-Ups: Provide sealer-primer material for mock-ups specified in affected sections.

Pre-Installation Meeting:

Convene at job site seven (7) calendar days prior to scheduled beginning of construction activities of this section to review requirements of this section.

Require attendance by representatives of the following:

Sealer-primer manufacturer.

Installer of this section.

Other entities directly affecting, or affected by, construction activities of this section.

Notify Architect four (4) calendar days in advance of scheduled meeting date.

DELIVERY, STORAGE, AND HANDLING

Store products of this section in manufacturer's unopened packaging until installation.

Maintain storage area conditions for products of this section in accordance with manufacturer's instructions until installation.

PROJECT CONDITIONS

Do not apply sealer-primers to surfaces below 50 degrees F (10 degrees C) or above 95 degrees F (48 degrees C) unless recommended by the manufacturer.

Do not apply sealer-primer when rain is predicted within 24 hours or less than 1 day after surface has been wet.

Do not apply sealer-primer in high or gusty winds.

WARRANTY

Special warranties: Contractor and installer of this section shall jointly and individually warrant sealer-primer installation against

failure due to incorrect application for a period of 5 years from the date of Substantial Completion.

Manufacturer's warranty: Manufacturer's limited warranty against failure of sealer-primer installation due to failure of sealer-primer material for a period of 5 years from the date of Substantial Completion.

PART PRODUCTS

MANUFACTURERS

Acceptable Manufacturer: SEAL-KRETE, Inc.; 306 Gandy Road, Auburndale, FL 33823- 1527. ASD. Tel: (800) 323-7357 or (941) 967-1535, Fax: (941) 965-2326.

Requests for substitution will be considered in accordance with provisions of Section 01600.

Substitutions: Not permitted.

MATERIALS

Sealer-Primer: SEAL-KRETE Waterproofing Sealer.

Characteristics: Clear, non-staining, waterborne acrylic-base penetrating sealer-primer containing no VOC's (volatile organic compounds) or petroleum distillates.

Performance requirements:

Resistance to water penetration: Minimum rating of Excellent, when tested according to FS TT-P-0035, modified using 4 by 8 by 16 inch (100 by 200 by 400 mm) concrete block, at equivalent of 98 mph (158 km/h) wind speed.

Resistance to water penetration: No more than ____ dampness appearing on back of wall specimen, when tested in accordance with ASTM E 514 for 4 hours.

Comply with Florida Department of Transportation Specification 926-16 for Type "O" Compounds, Florida DOT Method FM5-518.

Water vapor transmission: ____ perms (____ metric perms), maximum, when tested in accordance with ASTM D 1653.

Corrosion resistance: No visible degradation of film after 48 hours, when subjected to sodium hypochlorite, hydrochloric acid, sodium chloride (salt), and chlorine.

Solids content: 10 percent, minimum.
Flammability: Non-flammable.
Toxicity: USDA approved for application to surfaces where there is possibility of contact with food.
Tensile strength: ___ psi (___ kPa), when tested in accordance with _____.
Freeze/thaw stability: ____, when tested in accordance with _____.
Mechanical stability: ____, when tested in accordance with _____.
Fading resistance: Approximately 0.05 percent, maximum, after 312 hours of testing in accordance with _____.
Light stability: ____, when tested in accordance with _____.

Pigmenting Agent: Latex-based paint, specified in Section 09900.

Pigmenting Agent: Latex-based stain, specified in Section 09900.

PART EXECUTION

EXAMINATION

Verify that substrates to receive sealer-primer are in accordance with manufacturer's instructions.

PREPARATION

Protect adjacent surfaces to prevent accidental application to surfaces not indicated to receive sealer-primer; remove accidental applications from surfaces immediately, following manufacturer's instructions.

Preparation of existing surfaces:

Remove loose or deteriorated materials, including, but not limited to, scale, spalling, paint, or other coatings.

Clean with detergent-based materials, as recommended by manufacturer's instructions; cleaning with solvent-based or oil-based cleaners is prohibited.

APPLICATION

Apply sealer-primer in accordance with manufacturer's instructions for indicated project conditions; for multi-coat applications, allow

specified curing time between subsequent coats.

Addition of materials to sealer-primer is prohibited, except as recommended by manufacturer.

Apply non-pigmented sealer-primer to the following surfaces:

New concrete paving.

Existing concrete paving.

New brick paving.

Existing brick paving.

New stone paving.

Existing stone paving.

New foundation walls as primer for subsequent installation of waterproofing specified in Section 07140.

Existing foundation walls as primer for subsequent installation of waterproofing specified in Section 07140.

New vertical cast-in-place concrete surfaces.

Existing vertical cast-in-place concrete surfaces.

New horizontal cast-in-place concrete surfaces.

New horizontal cast-in-place concrete surfaces as curing compound and sealer.

New horizontal cast-in-place concrete surfaces as single-coat dustproofer.

Existing horizontal cast-in-place concrete surfaces as single-coat dustproofer.

Existing horizontal cast-in-place concrete surfaces.

New vertical precast concrete surfaces.

Existing vertical precast concrete surfaces.

New horizontal precast concrete surfaces.

Existing horizontal precast concrete surfaces.

New tilt-up concrete panel surfaces.

Existing tilt-up concrete panel surfaces.

New concrete masonry unit surfaces.

Existing concrete masonry unit surfaces.

New brick masonry surfaces.

Existing brick masonry surfaces.

New stone masonry surfaces.

Existing stone masonry surfaces.

New galvanized metal surfaces.

Existing galvanized metal surfaces.

New wood surfaces.

Existing wood surfaces.

New concrete roof tile.

Existing concrete roof tile.

New clay roof tile.

Existing clay roof tile.

- New vinyl siding
- Existing vinyl siding
- New stucco surfaces.
- Existing stucco surfaces.
- New plaster surfaces.
- Existing plaster surfaces.
- New adobe surfaces.
- Existing adobe surfaces.
- New drywall surfaces.
- Existing drywall surfaces.
- New ceramic tile grout joints.
- Existing ceramic tile grout joints.
- Substrates to receive wallcoverings.

Apply sealer-primer, mixed with specified pigmenting agent in accordance with manufacturer's instructions, to the following surfaces:

- New vertical cast-in-place concrete surfaces.
- Existing vertical cast-in-place concrete surfaces.
- New horizontal cast-in-place concrete surfaces.
- Existing horizontal cast-in-place concrete surfaces.
- New vertical precast concrete surfaces.
- Existing vertical precast concrete surfaces.
- New horizontal precast concrete surfaces.
- Existing horizontal precast concrete surfaces.
- New tilt-up concrete panel surfaces.
- Existing tilt-up concrete panel surfaces.
- New concrete masonry unit surfaces.
- Existing concrete masonry unit surfaces.
- New brick masonry surfaces.
- Existing brick masonry surfaces.
- New stone masonry surfaces.
- Existing stone masonry surfaces.
- New galvanized metal surfaces.
- Existing galvanized metal surfaces.
- New wood surfaces.
- Existing wood surfaces.
- New stucco surfaces.
- Existing stucco surfaces.
- New plaster surfaces.
- Existing plaster surfaces.
- New adobe surfaces.
- Existing adobe surfaces.
- New drywall surfaces.
- Existing drywall surfaces.
- Substrates to receive wallcoverings.

END OF SECTION