

Section 09 91 33

Concrete Sealants CS-80 Solvent-Borne Concrete Primer for Elastomeric Sealants

PART 1 – GENERAL

1.1 SUMMARY

- A. **Section Includes:** Materials, application, and best practices for the supply and installation of primers to concrete substrates.

1.2 SYSTEM DESCRIPTION

- A. **Solvent-Borne Concrete Primer:** Topical concrete primer for elastomeric sealants, for use on most concrete structures including sanitary sewer manholes and other structures in corrosive environments that will experience submergence or intermittent submergence in water and groundwater.

1.3 RELATED SECTIONS

- A. Section 03 30 00 – Cast-in-Place Concrete
B. Section 03 40 00 – Precast Concrete
C. Section 09 96 53 – Elastomeric Coatings

1.4 SUBMITTALS

- A. **General:** If any portion of Contract Documents does not conform to manufacturer's standard recommendations, submit notification of portions of design at variance with manufacturer's specifications.
- B. **Product Data:** Submit manufacturer's product technical data sheet including application instructions.

1.5 QUALITY ASSURANCE

- A. **Manufacturer Qualifications:** Manufacturer shall be ISO 9001 registered.

- B. **Applicator:** Product applicator shall be experienced in the installation of solvent-borne concrete primers.
- C. **Technical Consultation:** The primer manufacturer's representative shall provide technical consultation and support as needed.

1.6 DELIVERY, STORAGE AND HANDLING

- A. **Ordering:** Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- B. **Delivery:** Deliver packaged primer materials to project site or to concrete production facility in original undamaged containers with manufacturer's labels and seals intact.
- C. **Identification:** Containers shall be fully identified with manufacturer's label listing type, grade, class, and other qualifying information. Provide product's safety data sheet.
- D. **Storage:** Keep product container tightly closed. Keep product cool, and store primer materials at temperatures between 0 degrees Fahrenheit and 90 degrees Fahrenheit. Keep product away from heat, hot surfaces, sparks, open flames, and other ignition sources. Always keep product out of direct sunlight. Note that storage temperatures at the upper end of this range will lead to pressurization of the container.

1.7 PROJECT CONDITIONS

- A. **Compliance:** Comply with manufacturer's product technical data sheet regarding condition of the substrate to receive the primer, application instructions, weather and temperature conditions before and during installation, and protection of the installed product.

1.8 WARRANTY

- A. **Project Warranty:** Refer to conditions of the Contractor for project warranty provisions.
- B. **Manufacturer's Warranty:** This information is presented in good faith, but we cannot anticipate all conditions under which this information and our products, or the products of other manufactures in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combinations for their own purposes. It is the **users' responsibility** to satisfy himself as to the suitability and completeness of such information for his own particular use. We sell this product without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of this product, whether used alone or in combination with other products.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

A. **Acceptable Manufacturer:**

Concrete Sealants, Inc.

9325 State Route 201; Tipp City, OH 45371

Phone: (800) 332-7325; Fax: (937) 845-3587

E-mail: hello@conseal.com; Website: www.conseal.com

B. **Substitutions:** No substitutions permitted.

C. **Source Quality:** Obtain all primer products from a single manufacturer.

2.2 MATERIALS

A. **System Description:** Topical solvent-borne concrete primer for elastomeric coatings.

B. **Acceptable Product:** Concrete Sealants CS-80.

PART 3 – EXECUTION

3.1 MANUFACTURER'S INSTRUCTIONS

A. Comply with manufacturer's product technical data sheet regarding condition of the substrate to receive the primer, application instructions, weather and temperature conditions before and during installation, and protection of the installed product.

3.2 PREPARATION

A. **Verification of Substrates:** All concrete surfaces shall be sound; clean; free of contaminants including dust, dirt, and oil; free of form release agents and materials used to cure the concrete; and free of any other potential contaminants. All surfaces shall be cleaned by brush blasting.

B. **Substrate Preparation:** Prepare concrete in accordance with SSPC-SP 13/NACE No. 6, Surface Preparation of Concrete. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a sound, uniform substrate suitable for the application of a primer. All surfaces shall be completely dry prior to primer application.

3.3 APPLICATION

A. **Mixing:** Stir prior to use. Do not thin or dilute product.

- B. ***Precautions and Recommendations:*** Read the product safety data sheet prior to use and follow all precautions and recommended practices. Only use the product outdoors or in a well-ventilated area. Product is flammable; use only non-sparking tools and do not smoke while using the product. Wear proper protective equipment. Apply product to concrete structures that are at least 40 degrees Fahrenheit. Do not apply product to frozen or wet concrete. Apply product using a roller or brush. Replace the lid on the product container immediately after use if the container is not empty.
- C. ***Application:*** Apply an even coat of the product at a coverage rate of about 250-300 square feet per gallon and allow the product to dry. A second coat may be needed if the concrete surface is rough or porous. When the primer is dry to the touch, the next product – like an elastomeric coating – may be applied.

3.4 CLEANING AND PROTECTION

- A. ***Cleaning:*** Clean product spillage while wet using mineral spirits.

End of Section 09 91 33