

## GUIDE SPECIFICATIONS

### PENETRATING SEALERS / WATER REPELLENTS

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**DESIGN REQUIREMENTS: ENDUR-O-SEAL EOS CSx-20 Stain** is a specifically formulated polysiloxane/ Teflon® system that protects concrete floors, driveways and other structures against damage due to water penetration and staining due to oils, grease and a variety of solvents. EOS CSx-20 Stain provides long lasting protection against efflorescence (salt or lime leaching), staining due to atmospheric carbons, mold, mildew, metal, salts, chloride penetration, corrosion, most acids, acid rain, caustics, dampness, and other water related damage. EOS CSx-20 Stain comes in ADA Brick Red, White, Black, 419 Charcoal and 418 Medium Gray. For complete product information call Endur-O-Seal USA, Inc. at 1-800-259-8855 or fax (281) 356-9332.

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#### **PART 1. GENERAL**

##### **1.01 SUMMARY**

- A. Penetrating Sealers / water repellents

##### **1.02 SUBMITTALS**

- A. Follow section 01340
- B. Submit Endur-O-Seal USA, Inc. product data and application instructions

##### **1.03 QUALITY ASSURANCE & CONTROL**

- A. Follow section 01400
- B. Applicator/Commercial: Company specializing in applying coatings, waterproofing/repellents with five (5) years minimum experience and approved by manufacturer required. Consult local distributor or Endur-O-Seal USA,/EOS Systems for recommendations.

##### **1.04 FIELD SAMPLES**

- A. Field samples should be applied prior to general execution of work to determine visual and physical or chemical effect of sealer. Prepare substrates and apply EOS CSx-20 Stain to a 100 square foot area. Apply to locations indicated by architect/designer/engineer. Notify architect/ designer/engineer seven (7) days prior to application of field sample.
- B. Test area samples may remain as part of general work.
- C. Sample shall indicate that there is no change appearance and when water is poured on the sample, the water shall bead or run off and not soak in.

##### **1.05 DELIVERY, STORAGE AND HANDLING**

- A. Follow section 01610
- B. Deliver products to site with containers unopened and with manufacturer's seal intact.

## 1.06 PROJECT CONDITIONS

- A. Environmental Requirements: Do not apply EOS CSx-2O Stain when the following conditions are present, except with written instructions from manufacturer:
- B. Ambient or surface temperature less than 40° F within twenty four (24) hours prior to or following application.
- C. Rain within seventy- two (72) hours prior to application or predicted within twenty- four (24) hours after application.
- D. Wet or frozen substrates
- E. High winds which could cause excessive over spray.

## 1.07 SCHEDULING

- A. Apply EOS CSx-2O Stain as early as practical to protect substrates during construction.
- B. Poured/ Cast-in-place Concrete Substrate: Allow to cure seven (7) to ten (10) days before treatment. (Based on 70° F & 60% relative humidity)
- C. Concrete Masonry Substrates: Allow mortar to cure seven (7) days before treatment.

## 1.08 WARRANTY

- A. Manufacturer's limited five (5) year warranty. Failure is indicated by water soaking into the substrate surface, when water is placed on surface. **There is a no return policy on this products it is custom blended.**

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

Endur-O-Seal USA, Inc./ EOS Systems, 1-800-259-8855 or 281-356-9332 fax.

### 2.02 MATERIALS

- A. EOS CSx-2O Stain: Water based membrane-forming polysiloxane penetrating sealer; this system is non-flammable, non-hazardous and non-toxic.
  - 1. Maximum VOC content; 0.27 lbs/gallon, complies with all applicable regulations regarding VOC's.
  - 2. **Do not dilute or modify** EOS CSx-2O Stain, apply as supplied.

### 2.03 EQUIPMENT

- A. APPLICATION WITH A DEEP NAP ROLLER IS THE PREFERRED METHODS.
- B. Spray Equipment: 60 psi or below airless, and/or Hudson pump up type. Tip should be fan pattern and of the size (Hudson 80-5R Color Jet) or smaller. Keep equipment and hoses clean and free of foreign contaminants that could obstruct equipment or be deposited on surfaces to be treated. **Note! Do not over saturate!**

## PART 3 EXECUTION

### 3.01 INSTALLATION

- A. Confirm that the substrates have been prepared properly, and weather conditions are suitable for application. Notify architect/designer/engineer in writing of unsatisfactory

substrates and conditions. Do not continue until conditions have been corrected in a manner acceptable to applicator.

### **3.02 PREPARATION**

- A. Clean substrates: Remove dirt, oil, wax, curing compounds, efflorescence, coatings and other graffiti matter. Use methods compatible with substrates and required appearance including, as applicable.
  - 1. Sweeping and compressed air blasting
  - 2. Water blasting (A drying period is required if water is used for cleaning)
  - 3. Sandblasting, follow with an air and/or water blast to remove loose particulate.
  - 4. Detergent scrubbing. Rinse with water and allow to dry. (See #2 above).
  - 5. Chemical cleaners that are residual free and do not interfere with penetrating sealer/repellent. Rinse with water and allow substrate to dry. (See #2 above).

If you have questions or concerns, consult Endur-O-Seal USA, Inc at 1-800-259-8855 or FAX 281-356-9332 for information or recommendations.

Always protect glass and non-porous materials. EOS CSx-2O Stain will not harm plants, asphalt, glass, metal or aluminum. Some plastics, such as polystyrene, will be damaged by EOS Poly Top Sealer. EOS CSx-2O Stain is compatible with most joint sealants, specific joint sealants should be investigated for adhesion to treated surfaces. Contact Endur-O-Seal USA, Inc for assistance. 1-800-259-8855

- a. Protect against over spray onto glass surfaces, plants, plastic, asphaltic surfaces, painted and polystyrene insulation surfaces.
- b. Protect surfaces against oil/grease/fuel drips caused by cleaning equipment and other contamination of surfaces that are to be tested.

