

# PRODUCT BULLETIN

## POLY TOP SEAL CSx-2O

**OIL, GREASE & SOLVENT RESISTANT PENETRATING SEALER FOR CONCRETE  
ACIDS, CAUSTIC'S, SALTS, MILDEW, ALGAE, JUICES, & OTHER WATER  
DAMAGE, WET BASEMENTS, WATERPROOFING**

**PRODUCT NAME: PTS CSx-2O      PRIMARY BENEFITS**

### MANUFACTURER / SUPPLIER

#### EOS SYSTEMS

Endur-O-Seal USA, Inc.  
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### PRODUCT DESCRIPTION:

Poly Top Seal CSx-2O is a unique waterborne, non-flammable polysiloxane/Teflon penetrating sealer. It is specifically engineered for the treatment of bulk storage facilities, truck and rail shops, maintenance areas, veterinary clinics, animal kennels or area's that must have easy ice removal. Poly Top Seal CSx-2O will protect against moisture intrusion as well as oils, grease and a variety of solvents, it is also excellent for cast stone. Poly Top Seal CSx-2O is a highly cost effective option to urethane or epoxy deck coatings. PTS CSx-2O is not susceptible to U.V. degradation.

### TECHNOLOGY:

The CSx-2O system utilizes unique a chemistry of polysiloxanes coupled with proprietary technologies to provide high performance products that are environmentally safe. Poly Top Seal CSx-2O is a highly reactive, crosslinked polysiloxane, Teflon formulation that is capable of penetration rates 1/4"- 3/4" into the concrete. Broom finished surfaces may attain 1 1/2 inches. The formula attaches itself to the substrate particles by electrochemical means. During the curing process the system reacts with certain elements in the concrete to form a sub-surface vapor permeable elastomeric membrane. The membrane allows the treated matter to breathe normally while impeding contaminants from spreading, wetting and ground moisture absorption through capillary channeling. Poly Top Seal CSx-2O may increase the slip coefficient when applied on smooth steel trowel finished surfaces.

- Long – term performance
- Vapor permeable
- U.V. (Ultraviolet) resistant / extends product life.
- Oil, Grease and Solvent resistant.
- Very cost effective versus urethanes and epoxies.
- Prevents the water absorption/retention required for the growth of fungi or algae.
- Prevents adhesion of dirt and organic pollutants.
- Very low VOC's / non-toxic / non-hazardous.
- Provides protection in extreme temperatures (between -50°F and + 225°F)

### TECHNICAL DATA

V.O.C. Content:	<0.27 lbs./Gal
Flashpoint:	> +212°F
Penetration:	0.18 - .44 in.
U.V. Resistance (QUV 7500 Hrs.)	Pass
Breathability ASTM D1653	96.6%
Water Leakage ASTM E 514	99.4%
NCHRP 244 Chloride Absorption	98.3%
Simulated Wind Driven Rain	Pass

### **SURFACE PREPARATION**

The material to be treated should be dry and free of non integral dust, dirt or salt. If being applied to an existing structure the substrate should be thoroughly washed to remove all efflorescence, dirt, mildew and fungi. Allow adequate time for drying prior to application. A light broom or shot blast surface is recommended. *Surface can become slick without proper surface preparation, do not burnish surface.*

### **METHOD OF APPLICATION**

EOS PTS CSx-2O can be applied by means of spraying with a conventional, airless or Hudson pump up type sprayer, brush/roller application or submerging in a vat or both may be utilized. Make sure the concrete to be treated is dry (**10/20% moisture content maximum**). Agitate the sealer as indicated on the label; utilize as is. *Do not dilute or otherwise alter the material.*

### **COVERAGE**

Apply in accordance with the rates stated below or per architectural guide specifications. The following are approximate and may vary due to porosity of material to be treated.

- Poured in place concrete: 150 – 300 square feet per gallon (dependent on concrete condition)
- Pressed concrete paver: 100 – 200 square feet per gallon (dependent on concrete porosity)

### **PACKAGING & STORAGE**

Available in five (5) gallon pails. Thirty five (35) gallon drums, fifty five (55) gallon drums. Storage should be maintained in sealed containers between 40 F and 100° F and **out of direct sunlight.**

### **WARRANTY**

The information and recommendations made herein are based on Endur-O-Seal USA, Inc. research and that of others, and are believed to be accurate. No guarantee of test accuracy is made due to the considerable number of variables which can affect field application and performance of Poly Top Seal CSx-2O, including but not limited to surface conditions, job conditions. Users and purchasers are encouraged to determine the suitability of this product for particular purposes. Endur-O-Seal USA, Inc. warrants the product to conform to stated specifications and be free of defects at time of shipment. The company makes no other warranties either expressed or implied.

### **CUSTOMER/ TECHNICAL SERVICES**

Endur-O-Seal USA, Inc. provides a variety of technical services regarding the function and use of Endur-O-Seal products. If you have any questions please contact your sales representative for further information.

### **SAFETY INFORMATION**

Please refer to Material Safety Data Sheet