

PRODUCT BULLETIN

POLY TOP SEAL CS_x-20 SPECIAL

OIL, GREASE & SOLVENT RESISTANT PENETRATING SEALER FOR CONCRETE ACIDS, CAUSTIC'S, SALTS, MILDEW, ALGAE, JUICES, & OTHER WATER DAMAGE AND INDUSTRIAL MAINTAINENCE FACILITIES

PRODUCT NAME: POLY TOP SEAL CS_x-20 SPECIAL **PRIMARY BENEFITS**

MANUFACTURER / SUPPLIER

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PRODUCT DESCRIPTION: Poly Top Seal CS_x-20 Special is a unique waterborne, non-flammable polysiloxane/ Teflon content penetrating sealer. **EOS CS_x-20** is a engineered formulation using more Teflon for special condition like truck and train wash racks, specialized automotive and large engine shops where floors must take extreme pollution or abrasion. It is also excellent for use in fertilizer plants and warehouses or used where severe acid spills may be present as all pollutants are held on the surface for easy and rapid clean up.

Poly Top Seal CS_x-20 will protect against moisture intrusion as well as oils, grease and a variety of solvents. **Poly Top Seal CS_x-20 Special** is a highly cost effective option to urethane or epoxy deck coatings plus it will not peel, blister or detach like most topical coatings. **CS_x-20** not susceptible to U.V. degradation.

TECHNOLOGY: The CS_x-20 system utilizes polysiloxanes coupled with unique proprietary technologies to provide high performance products that are environmentally safe. Poly Top Seal CS_x-20 Special is a highly reactive, crosslinked polysiloxane, Teflon formulation that is capable of penetration rates 1/4" - 3/4" into the concrete. 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 subsurface vapor permeable elastomeric membrane. The membrane allows the treated matter to breathe normally while impeding contaminants from spreading, wetting and absorption through capillary channeling. Poly Top Seal CS_x-20 Special may increase the slip coefficient when applied on 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 broom or shot blast surface is recommended.

Surface can become slick without proper surface preparation

METHOD OF APPLICATION

POLY TOP SEAL 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. Repeated *light mist applications maybe necessary on very smooth surfaces, apply each mist application wet on damp.*

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 – 400 square feet per gallon (dependent on concrete condition)

PACKAGING & STORAGE

Available in five (5) gallon pails, thirty five (35) gallon drums, fifty five (55) gallon drums, . Storage should be maintained 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