

# Endur-O-Seal USA Inc.

## EOS POLY TOP SEAL CS20 PLUS LASTING PROTECTION AGAINST EFFLORESCENCE (alkali salts and lime leaching)

**PRODUCT NAME:** EOS CS20 PLUS

**MANUFACTURER:**

ENDUR-O-SEAL USA, Inc.  
Pinehurst, Texas 77362  
1-800-259-8855

**PRODUCT DESCRIPTION:**

**EOS POLY TOP SEAL CS-20 PLUS** is a water-based, non flammable polysiloxane sealer. It is specifically engineered for the treatment of vertical or horizontal concrete substrate for the purpose of providing waterproofing and repellency capability. **EOS POLY TOP SEAL CS-20 PLUS** provides superior long-term performance and protection against physical and structural defamation or deterioration due to the effects of humidity and or contact with moisture or exposure to the elements. In addition it is also resistant to acids and highly alkaline compounds. **CS-20 PLUS** is designed for use on smooth concrete that is younger than *25 years of age and/or interior applications.*

**TECHNOLOGY:**

CS20 PLUS utilizes unique polysiloxanes coupled with proprietary technologies to provide high performance products that are environmentally safe. This degree of protection is facilitated by increased levels of penetration into the substrate matter. During the curing stage the formula attaches itself to the substrate particles by electrochemical means and acts as a semi permeable membrane which impedes water vapor or liquid from spreading, wetting and absorption through capillary channeling. The resulting semi permeable membrane does not restrict the treated matter from

**TECHNOLOGY CONT.**

breathing. **CS-20 PLUS** will significantly reduce or eliminate efflorescence due to its principle function.

**PRIMARY BENEFITS**

- The natural look and feel of the substrate is not perceptibly altered.
- Non toxic / non-hazardous
- Semi – Homogeneous solution (requires slight agitation prior to application.)
- Poly Masonry Sealer is a penetrating treatment and may temporarily darken the substrate on which it is applied.
- Light citrus odor.
- Prevents the water absorption/retention required for the growth of fungi or algae and reduces the adhesion of dirt and organic pollutants.
- Reduces or eliminates efflorescence.
- Does not restrict the natural breathing ability of the treated matter.
- U.V. (Ultraviolet) resistant / extends product life.
- Very low VOC content: ~ 0.10 lb. per gallon.
- Product performance does not deteriorate at temperatures between -0° F and +470° F.

**TECHNICAL DATA**

V.O.C. Content:	<0.19 lbs. /Gal
Flashpoint:	>+212°F
Penetration:	0.25 – 1.0 in
U.V. Resistance (QUV 7500 Hrs)	Pass
Breathability ASTM D1653	97.8%
Water Leakage ASTM E514	99.2% Max
NCHRP 244 Chloride Absorption	97.4%
Simulated Wind Driven Rain	Pass

## **SURFACE PREPARATION**

The material to be treated should be dry and free of non-integral dust, dirt, mildew, algae or alkali salts. 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.

## **METHOD OF APPLICATION**

**Poly Top Sealer CS20 PLUS** can be applied by means of spraying with a conventional, airless (60 psi or below), or Hudson pump up type sprayer. Make sure the masonry, brick and clay substrate to be treated is dry (15% 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.

- Split-face: 300 square feet per gallon
- Pavers 350 square feet per gallon
- Precast: 400 square feet per gallon
- Poured in Place: 400-450 square feet per gallon

## **PACKING AND STORAGE**

Available in five (5) gallon pails and fifty five (55) gallon drums. Storage should be maintained between 32°F and 100°F and out of direct sunlight.

## **WARRANTY**

The information and recommendations made herein are based on EOS 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 EOS products including but not limited to surface conditions, job conditions. Users and purchasers are encouraged to determine the suitability of this product for particular purposes. EOS SYSTEMS warrants this product to conform to stated specifications and be free of defects at time of shipment. The company makes no other warranties either express or implied.

## **CUSTOMER/TECHNICAL SERVICE**

EOS SYSTEMS provides a variety of technical services regarding the function and use of EOS product. If you have any questions please contact your EOS sales representative for further information 1-281-259-8855.

## **SAFETY INFORMATION**

Please refer to Material Safety Data Sheet