

Endur-O-Seal USA Inc.

PRODUCT BULLETIN

EOS LST

CLEAR PENETRATING SEALER FOR LIMESTONE & SANDSTONE

PRODUCT NAME: EOS LST

PRIMARY BENEFITS

MANUFACTURER:

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

PRODUCT DESCRIPTION:

EOS - LsT is a unique, waterborne, non-flammable polysiloxane / copolymeric penetrating sealer. It is specifically engineered for the treatment of Limestone & Sandstone for the purpose of providing water repellency. EOS - LsT provides superior long-term protection against the elements, such as humidity and moisture, in addition it is resistant to acids and highly alkaline compounds. The product will reduce or eliminate structural deterioration where it is applied.

TECHNOLOGY:

The EOS - LsT systems utilize unique polysiloxanes coupled with proprietary technologies to provide high performance products that are environmentally safe. EOS - LsT is a highly reactive, cross linked polysiloxane copolymer formulation that is capable of substantial penetration rates into the stone. The formula attaches itself to the substrate particles by electrochemical means. During the curing process the system reacts with certain elements in the substrate to form a subsurface vapor permeable elastomeric membrane. The membrane allows the treated matter to breathe normally while impeding moisture and contaminants from spreading, wetting and absorption through capillary channeling.

- 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.
- Non discoloring
- 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:	0.125 - .56 in
U.V. Resistance (QUV 7500 Hrs)	Pass
Breathability ASTM D1653	96.8%
Water Leakage ASTM E 514	98.7%
Simulated Wind Driven Rain (FS TTP 0035)	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.

METHOD OF APPLICATION

EOS LST can be applied by means of spraying with a conventional, airless (60 psi or below), or Hudson pump up type sprayer. Make sure the limestone and/or sandstone 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.

- Limestone or Sandstone: 250- 320 square feet per gallon closed surface
 175– 250 square feet per gallon porous surface

PACKING AND STORAGE

Available in five (5) gallon pails or fifty-five (55) gallon drums. Storage should be maintained in sealed containers between 34°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