

PRODUCT BULLETIN

EOS SYSTEMS

EOS POLY TOP SEAL (CS-20)

WATERPROOFING AND REPELLENT SYSTEM FOR CONCRETE

EOS POLY TOP SEAL CS-20 is a water based non flammable polysiloxane formulation developed specially for the treatment of vertical or horizontal concrete substrate for the purpose of providing waterproofing and repellency capability. **EOS POLY TOP SEAL CS-20** affords superior long-term performance and protection against physical and structural defacement or deterioration due to the effects of humidity and or contact with moisture or exposure to the elements.

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 breathing. **EOS POLY TOP SEAL CS-20** will significantly reduce or eliminate efflorescence due to its principle function.

PRODUCT CHARACTERISTICS

- The natural look and feel of the substrate is not perceptibly altered. No staining or discoloration.
- Non toxic / non-hazardous.
- Semi – Homogeneous solution (requires slight agitation prior to application.)
- **EOS POLY TOP SEAL CS-20** is a penetrating treatment and may temporarily darken unwashed or aged concrete color slightly when 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.

SURFACE PREPERATION

The material to be treated should be dry (less than 15% integral moisture content) and free of non-integral dust, dirt or salt. For better appearance, all initial efflorescence should be removed prior to use.

METHOD OF APPLICATION

EOS POLY TOP SEAL CS-20 can be applied by means of spraying, brush/roller. Do not saturate. Material compatibility should be thoroughly tested prior to general application. Material should be stored in a cool, dry place for prolonged shelf life. Do not store at temperatures below 40°F or greater than 100°F.

COVERAGE (Approximate; may vary due to porosity of material to be treated) recommended

Application rates: see guide specifications

Splitface blocks 300 sq. ft./gal after pre-treatment and deep sealer.

Pavers 350 sq. ft./gal

Pre-cast structures 400 sq. ft./gal

Poured in place concrete 400 – 450 sq. ft./gal. / variable with porosity or matrix mixture.

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