

GUIDE SPECIFICATIONS
NCS-20 Negative
SECTION 07190 – PENETRATING SEALERS / WATER REPELLENTS

DESIGN REQUIREMENTS: EOS SYSTEMS NCS-20 NEGATIVE is a specifically formulated and negatively charged penetrating sealer. EOS NCS-20 NEGATIVE forms an integral elastomeric membrane within the concrete substrate that prevents water and / or moisture vapor transmission from the negative side. EOS NCS-20 NEGATIVE is applicable on: 1. Vertical or horizontal Poured-in-place concrete (at or below grade applications), 2. Pre-cast Concrete. For complete product information call EOS SYSTEMS at (281) 356-5117 or fax (281) 356-9332

PART 1. GENERAL

- 1.01 SUMMARY
 - A. Negative side functioning penetrating sealers
- 1.02 SUBMITTALS
 - A. Submit EOS SYSTEMS product data and application instructions
- 1.03 QUALITY ASSURANCE/CONTROL
 - A. Applicator: Company specializing in applying coatings, waterproofing/repellents with five (5) years minimum experience and approved by manufacturer required. Consult local distributor or EOS for recommendations.
- 1.04 FIELD SAMPLES
 - A. Field samples should be applied prior to general execution of work to determine visual and physical or chemical effect of EOS CS-20 NEGATIVE. Prepare substrates and apply EOS CS-20 NEGATIVE per specifications. Apply to locations acceptable by architect/designer/engineer four (4) to seven (7) days prior to application of field sample.
 - B. Test area samples may remain as part of general work.
- 1.05 DELIVERY, STORAGE AND HANDLING
 - A. Deliver products to site with containers unopened and with manufacturer's seal intact.
- 1.06 PROJECT CONDITIONS
 - A. Environmental Requirements: Do not apply EOS NCS-20 NEGATIVE when the following conditions are present, except with written instructions from manufacturer:
 - 1. Ambient or surface temperature less than 40° F or predicted to fall below 40°F within twenty – four (24) hours prior to or following application.
 - 2. Rain within seventy- two (72) hours prior to application or predicted within twenty- four (24) hours after application.
 - 3. Wet or frozen substrates.
 - 4. If interior substrate is wet or damp apply two (2) applications of EOS Hydra Seal to assist in drying wall. Anhydrous Isopropyl Alcohol can also be used to dry the substrates. Care must be used when using AIA because of flash points.
- 1.07 SCHEDULING
 - A. Apply EOS NCS-20 NEGATIVE as early as practical to protect substrates during construction. For new construction, do not apply to interior below grade walls until;
 - 1. The wall exterior has been coated with a waterproofing membrane (EOS Poly Top Seal NCS-20 or ST-20) or specified mastic.
 - 2. Wall cap has been finalized.
 - B. Pour/Cast-in-Place Concrete Substrates: Allow to cure fourteen (14) to twenty-one (21) days before treatment. (Based on 70 F & 60 % relative humidity.)
 - C. Concrete Masonry Substrates: Allow mortar to cure seven (7) days before treatment.

- 1.08 WARRANTY
A. Provide Manufacturer's limited five (5) year warranty.

PART 2 PRODUCTS

- 2.01 MANUFACTURERS
A. EOS SYSTEMS Houston, Texas 77064, Tel (281) 356-5117 and (281) 259-2281 fax.

2.02 MATERIALS

- A. EOS NCS-20 NEGATIVE: Water based, negative-side, membrane-forming polysiloxane penetrating sealer. This system is non-flammable, non-hazardous and non-toxic.
1. Maximum VOC content; 0.19 Lbs./gallon, complies with all applicable regulations regarding VOC's.
 2. Do not dilute or modify EOS NCS-20 NEGATIVE, apply as supplied.
 3. Mix well before using.

2.03 EQUIPMENT

- A. Spray Equipment: 40-70 psi. airless, pressure pot or Hudson pump up type. Tip should be fan pattern and of the size typically used for lacquer. Keep equipment and hoses clean and free of foreign contaminants which could obstruct equipment or be deposited on surfaces to be treated.
- B. Brush, Roller.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Confirm that the substrates have been prepared properly, and weather conditions are suitable for application. Notify architect/designer/engineer in writing of unsatisfactory substrates and conditions. Do not continue until conditions have been corrected in a manner acceptable to applicator.

3.02 PREPARATION

- A. Clean substrates: Remove dirt, oil, wax, curing compounds, efflorescence, coatings, and other graffiti matter. Use methods compatible with substrates and required appearance including, as applicable
1. Sweeping and compressed air blasting
 2. Water blasting OR media blasting
 3. Sandblasting. Follow with an air and/or water blast to remove loose particulate.
 4. Detergent scrubbing. Rinse with water and allow to dry.
 5. Chemical cleaners which are residual free and do not interfere with penetrating sealer/repellent. Rinse with water and allow to dry thoroughly.

If you have questions or concerns, consult EOS SYSTEMS (281) 356-5117 for information or recommendations.

Always protect glass and non-porous materials. EOS NCS-20 NEGATIVE will not harm plants, asphalt, glass, metal or aluminum. Some plastics, such as polystyrene will be damaged by EOS NCS-20 NEGATIVE. EOS NCS-20 NEGATIVE is compatible with most joint sealants, specific joint sealants should be investigated for adhesion to treated surfaces. Contact EOS for assistance.

- a. Protect against over spray onto glass surfaces, plants, plastic, asphaltic surfaces, painted and polystyrene insulation surfaces.
- b. Protect surfaces against oil/grease/fuel drips caused by cleaning equipment and other contamination of surfaces that are to be treated.

