

GUIDE SPECIFICATIONS

PENETRATING SEALERS / WATER REPELLENTS

DESIGN REQUIREMENTS: EOS POLY MASONRY SEALER M-20 Plus is a rapid acting, penetrating sealer that protects buildings, monuments and other structures against damage due to water penetration. EOS POLY MASONRY SEALER M-20 Plus is applicable on: 1. Clay Brick; 2. Clay Block; 3. Clay "Saltillo Tile"; 4. Clay Quarry Tile; 5. Clay Ornamentals; and some Cast Stone. EOS POLY MASONRY SEALER M-20 Plus provides long lasting protection against efflorescence (salt or lime leaching), staining due to atmospheric carbons, mold, mildew, metal, salts, chloride penetration, corrosion, acid rain, dampness, and other water related damage. For complete product information call Endur-O-Seal USA, Inc. At 1-800-259-8855 OR FAX 1-281-356-9332.

PART 1. GENERAL

1.01 SUMMARY

- A. Penetrating Sealers / Water Repellents

1.02 SUBMITTALS

- A. Follow section 01340
- B. Submit Endur-O-Seal USA, Inc. product data and application instructions

1.03 QUALITY ASSURANCE & CONTROL

- A. Follow section 01400
- B. Applicator/Commercial: Company specializing in applying coatings, waterproofing/repellents with five (5) years minimum experience and approved by manufacturer required. Consult local distributor or Endur-O-Seal USA, EOS Systems for recommendations.

1.04

- A. Field samples should be applied prior to general execution of work to determine visual and physical or chemical effect of sealer. Prepare substrates and apply EOS Poly Masonry Sealer M-20 Plus to a 100 square foot area. Apply to locations indicated by architect/designer/engineer. Notify architect/ designer/engineer seven (7) days prior to application of field sample.
- B. Test area samples may remain as part of general work.
- C. Sample shall indicate that there is no change in appearance and when water is poured on the sample, the water shall bead or run off and not soak in.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Follow section 01610 (no air transport) (vented container)
- B. Deliver products to site with containers unopened and with manufacturer's seal intact.

1.06 PROJECT CONDITIONS

- A. Environmental Requirements: Do not apply **EOS Poly Masonry Sealer M-20 Plus** when the following conditions are present, except with written instructions from manufacturer:
 - 1. Ambient or surface temperature less than 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. High winds which could cause excessive over spray.
 - 5. To Brick walls or surfaces that have temperatures over 75 F.

1.07 SCHEDULING

- A. Apply **EOS Poly Masonry Sealer M-20 Plus** as early as practical to protect substrates during construction. Do not apply to walls until wall cap is finalized.
- B. Allow joint mortar to cure seven (7) to ten (10) days before treatment. (Based on 70° F & 60% relative humidity)

1.08 WARRANTY

- A. Manufacturer's limited five (5) year warranty. Failure is indicated by water soaking into the substrate surface, when water is placed on surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Endur-O-Seal USA, Inc./ EOS Systems, 1-800-259-8855 or 1-281-259-2281 fax.

2.02 MATERIALS

- A. EOS Poly Masonry Sealer: Water based 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 Poly Masonry Sealer M-2O Plus, apply as supplied.
 - 3. **Do not store in the sun** , store at room temperatures.

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 (Hudson 80-5R Color Jet) or smaller. Keep equipment and hoses clean and free of foreign contaminants that could obstruct equipment or be deposited on surfaces to be treated. **Note! Do not over saturate!**
- 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.
 - 1. Sweeping and compressed air blasting
 - 2. Water 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 that are residual free and do not interfere with penetrating sealer/repellent. Rinse with water and allow substrate to dry.

For answers to questions or concerns, consult Endur-O-Seal USA, Inc at 1-800-259-8855 or FAX 1-281-259-2281 for information or recommendations.

Always protect glass and non-porous materials. EOS Poly Masonry Sealer M-2O will not harm plants, asphalt, glass, metal or aluminum. Some plastics, such as polystyrene, will be damaged by EOS Poly Masonry Sealer. EOS Poly Masonry Sealer M-2O Plus is compatible with most joint sealants, specific joint sealants should be investigated for adhesion to treated surfaces. Contact Endur-O-Seal USA, Inc for assistance.

1-800-259-8855

- 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 tested.

B. JOINT SEALANTS

- 1. If necessary, install joint sealants as specified in other sections and allow to cure before application of water repellent.
- 2. If joint sealants are installed after application of EOS Poly Masonry Sealer M-2O Plus, verify adhesion of joint sealant to treated surfaces, prior to execution of work. If required, protect joint sealant adhesion surfaces against over spray.
- 3. Install asphaltic joint sealant after application of EOS Poly Masonry Sealer.

3.03 APPLICATION

A. General:

1. Properly clean and dry area to be treated, if unsure as to the best procedure, contact Endur-O-Seal or substrate manufacturer.
2. The temperature of the substrate should be 40°F – 120F (4.4 C - 49° C)
3. The area to be treated should have relative moisture content of less than 10 / 15%.
4. The EOS Poly Masonry Sealer M-20 Plus should be thoroughly mixed prior to application.
5. Apply a thorough wetting coat in accordance with rates specified below, but **Do Over Not Saturate or allow run-off.**
6. If applying by spray, motion should be side to side and followed by a crosshatch up and down motion.
7. On horizontal applications, remove any excess after fifteen (15) minutes from initial application (use clean mop or cotton cloth).
8. *Treated areas should be kept moisture free for 8-12 hours after application.*
9. *****Always test a sample area prior to application*****.

- B. If work is stopped prior to completion, clearly mark location and resume work without any gap in coverage.

C. COVERAGE:

1. Vertical Surfaces:

Hard Brick:	250 (minimum)/ 400 (maximum) sq. ft./Gal.
Soft Brick:	200 (minimum)/ 250 (maximum) sq. ft./Gal
Flamed Granite:	275 (minimum)/ 400 (maximum) sq. ft./Gal.
Marble:	275 (minimum)/ 400 (maximum) sq. ft./Gal.

2. Horizontal Surfaces:

Hard Brick:	250 (minimum)/ 325 (maximum) sq. ft./Gal.
Quarry Tile:	300 (minimum)/ 500 (maximum) sq. ft./Gal.
Brick Pavers:	300 (minimum)/ 400 (maximum) sq. ft./Gal.
Saltillo Tile:	200 (minimum)/ 275 (maximum) sq. ft./Gal. .
Flamed Granite:	275 (minimum)/ 400 (maximum) sq. ft./Gal.
Marble:	275 (minimum)/ 400 (maximum) sq. ft./Gal .

3.04 CLEANING

- A. Clean overspray on glass or metallic surfaces before evaporation of water. Wipe dry with clean, dry-cloth. If material has cured use a 50/50 mix of denatured alcohol and water and rub with a clean cloth.

3.05 PROTECTION

- A. Do not permit traffic on treated surfaces until **EOS Poly Masonry Sealer M-20 Plus** has completely penetrated and the substrate is fully dry.
- B. Treated areas should be kept moisture free for 8-12 hrs. after application.
- C. **Always utilize proper industrial hygiene practices.** Adequate ventilation should be provided during application and observe manufacturer's safety instructions. Read MSDS, Product Bulletin and labels before using.

END OF SECTION