

Endur-O-Seal USA Inc.

EOS HYDRA LOC, HYDRA SEAL, HOME SEAL DENSIFY AND SEAL CONCRETE SLABS AND WALLS. STOPS MOISTURE MIGRATION OR MAJOR SEEPAGE

PRODUCT NAME: EOS HL, HS, HOMESAL **SURFACE PREPARATION**

MANUFACTURER:
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PRODUCT DESCRIPTION:
EOS Hydra Loc/ Hydra Seal and HomeSeal are concrete hardeners that are waterborne, non-flammable silicate penetrating solutions. They are specifically designed as a concrete hardener and the stopping of moisture migration or major seepage of concrete decks, slabs, walls, driveways and foundations.

READ ALL LABEL BEFORE APPLICATION

Two (2) applications minimum required.

TECHNOLOGY:
EOS Hydra Loc/ Hydra Seal and HomeSeal are proprietary aqueous solutions with special penetrating agents that help deep sealing of concrete that has severe moisture problems, sluffing or dusting.

PRIMARY BENEFITS

- Rapid performance
- Precipitates calcium-ions
- Vapor permeable
- Reduces freeze/ thaw spall
- UV resistant
- Stops seepage
- Stops moisture migration
- Hardens surface
- Increases density

The material to be treated should be free of non-integral dust, dirt, mildew, algae or alkali salts and dampened (no standing water). If being applied to an existing structure, the substrate should be thoroughly washed to remove all efflorescence, dirt, mildew and fungi.

METHOD OF APPLICATION

Apply EOS Hydra Loc/ Hydra Seal and HomeSeal can be applied by means of spraying with a conventional, airless (60 psi or below), or Hudson pump up type sprayer. Apply to clean and damp concrete surfaces. Agitate the sealer as indicated on the label; utilize as is. DO NOT dilute or otherwise alter the material.

Caution should be taken to avoid over applying the product by means of puddling. Read all documentation before using. Applicator must determine if his/her project is suited for this product; test a small area first.

DO NOT SPRAY ON: ALUMINUM, COPPER, GLASS OR PLASTIC

TECHNICAL DATA

V.O.C. Compliant:	
Boiling point:	214°F
Flashpoint:	-0-
Penetration:	variable with density
U.V. Resistance	
(QUV 7500 Hrs)	Pass
No Odor	pH: 7.9 Cured
Freezing point as liquid:	32 °F

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.

- Horizontal: 150-200 square feet per gallon
- Vertical: 100-150 square feet per gallon

APPLICATION PROCEDURES FOR POURED WALLS

1. The wall must be clean and free of all paint or coatings.
2. If the wall is efflorescing or crumbling, remove the loose debris with a stiff wire brush.
3. Dampen the wall with water before applying your sealer. (This may stimulate more efflorescence but do not be alarmed.)
4. Apply an application of **Hydra Loc** starting at the top of the wall spraying in left to right motions. The sealer should not cascade down the wall more than 12 inches before all liquid has penetrated.
5. Spray one wall at a time returning to the starting point and reapply the second application in the same manor while the wall is still damp.
6. Return to the starting point and apply the third application in an up and down motion for best coverage; wait 15-20 minutes between applications, no more than 45 minutes.
7. 4 to 6 hours after applying the 3rd. application scrub down the wall with water and a deck brush to remove any residual sealer.
8. Allow the sealer to pre-cure for at least 10 days before applying NCS-20 Negative. The wall will purge any access efflorescence during these pre-cure days, just broom it off to the floor and vacuum. Under normal conditions purging will stop within 7 days.
9. If you had a crumbling wall you will not see hardening results for a minimum of 30 days so be patient as it is chemistry we are dealing with.

If you have any questions please feel free to call for technical advice.

APPLICATION PROCEDURES FOR FLOORS

1. The floor must be clean and free of all paint or coatings.
2. If the floor is efflorescing or crumbling, remove the loose debris with a stiff wire brush.
3. Dampen the floor with water before applying your sealer. Concrete should be saturated well but there should be no standing water. (This may stimulate more efflorescence but do not be alarmed.)
4. Apply an application of Hydra Seal (if floor is smooth and/ or younger than 25 years) Hydra Loc (if floor is broom finished and / or older than 25 years) spraying in left to right motions.
5. Spray one area at a time returning to the starting point and apply the second application in the same manor, while the floor is still damp. Wait 15-20 minutes between applications, no more than 45 minutes.
6. Return to the starting point and apply the third application (only if directed by an EOS representative).
7. 4 to 6 hours after applying the final application scrub the floor with water and a deck brush or power scrubber to remove any residual sealer.

APPLICATION FOR FLOORS CONT

8. Allow the sealer to pre-cure for at least 10 days before applying NCS-20 Negative. The floor will purge any access efflorescence during these pre-cure days, just use a vacuum to remove this dust. Under normal conditions purging will stop within 7 days.
9. If you had a crumbling or dusting areas you will not see hardening results for a minimum of 30 days so be patient as it is chemistry we are dealing with.

If you have any questions please feel free to call for technical advice.

APPLICATION FOR PROFESSIONAL APPLICATORS ONLY!

Read all Product Bulletins and Guide Specifications and Product Labels before application. Note mixing instructions. HYDRA SEAL, HYDRA LOC & HOMESEAL

FOR OPTIMUM RESULTS ON SLABS OR FLOORS

1. **Shot blast total floor to 60 grit finish. (CSP Standards, 330 Shot size)**
2. **Vacuum floor after shot blasting to remove all dust.**
 - a. It is very important that all fine dust is removed before applying sealer.
3. **Apply EOS deep penetrating sealer by sprayer.**
 - a. Sealer can be applied with an air-less sprayer 30-60# max. or with a poly pump up sprayer such as a Hudson unit with a fan tip.
 - b. Dampen floor with clean water, concrete must be thoroughly damp before applying deep penetrating sealer. Note! No standing water allowed.
 - c. Apply sealer to manageable sections and mark perimeter so there is a good overlap of product from section to section.
 - d. Apply a shiny wet application at a rate of 125 to 150 sq. ft. per gallon.
 - e. When first application has penetrated apply the second application while concrete is still damp from first application.
 - f. Apply third application (if needed) at the same rate as 1st and 2nd application perpendicular to 2nd application for good cross hatch pattern.
 - g. Allow the 3rd application to pre-cure for 6 to 12 hours.
 - h. Using a portable floor scrubbing machine clean the total surface of all residual sealer using clean water. A damp floor will not negatively affect the sealer. Allow sealer to cure for approximately 10 days to reduce the moisture content of the concrete, 15% moisture content maximum allowed before applying EOS NCS-20 Negative.
4. **Spray apply NCS-20 Negative. An air-less sprayer can used, 40 to 60 psi. maximum. (See Guide Specification Sheets, 2.03, Equipment) note recommended tip size. Mix per label instructions and add one ounce of catalyst that comes with order.**
 - a. Apply sealer in manageable sections larger or smaller in size than the EOS deep penetrating sealer was applied for best coverage.
 - b. Spray apply a wet application allowing sealer to penetrate the concrete until all shiny liquid sealer is gone. If there are some hard spots in the floor and residual sealer has accumulated in low sections after 10 to 12 minutes blot or wipe up excess with a soft cotton rag.

APPLICATION FOR PROFESSIONAL APPLICATORS ONLY CONT

- c. Apply the second application while concrete is still damp from first application. Follow the same instructions as 5. b. No excess sealer should be allowed to gel out on the surface.
- d. Second application of NCS-20 Negative should be applied in a perpendicular pattern to the first application. Do not over apply second application, a good damp application is all that is necessary.
- e. Allow NCS-20 Negative to fully cure for 96 hours before walking on the surface or attaching any VCT or Carpet tile.

PACKING AND STORAGE

Available in five (5) gallon pails and fifty five (55) gallon drums. Storage should be maintained in sealed containers between 40° 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