



Technical Data Sheet

SealGreen – E10 High Performance Sealer

Product Data and Test Information

DISTRIBUTION

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PRODUCT DESCRIPTION

SealGreen E-10 is an environmentally friendly, low odor, clean water extendable, concrete primer, moisture and floor barrier.

The unique properties penetrate the concrete surface to form a non-removable, semi-resilient barrier that quickly cures for walking foot traffic in less than 1 hour. The surface remains compatible with flooring adhesives.

SealGreen E-10 will not chip, soften, peel or delaminate in the presence of water vapor emission, alkalinity, and relative humidity. The chemistry remains resistant to extreme alkalinity (12.5-14pH) when applied to prepared concrete.

With environmental concerns on the rise, SealGreen E-10 compliments the green product movement with its low VOC content and low odor. Equipment, tools and material can be cleaned by a damp cloth during the initial application.

SealGreen E-10 is acceptable for use in schools, health care, commercial and industrial buildings. SealGreen E-10's quick cure is ideal for retail stores where a moderate moisture barrier is required and ready for walking traffic in 1 hour.

APPLICATIONS

SealGreen E-10 is approved for use on concrete surfaces that are intended for floor coverings. Newly placed slabs that are sealed with SealGreen E-10 as a replacement for curing methods provides excellent water retention, water vapor and alkalinity reduction for the application of floor coverings.

SealGreen E-10 will also prepare substrates where concrete testing has determined results above flooring manufacturer limits and does not exceed 10 lbs. of emission. SealGreen E-10 will suppress, control and restrict water vapor emission, alkalinity, and relative humidity rates to an acceptable level for flooring application.

ADVANTAGES

Effective on most vertical or horizontal exterior, above-grade masonry surfaces. Natural substrate color and surface textures are unaffected, with little to no gloss created.

SealGreen Cleaners and Sealers are state-of-the-art protective treatments and have developed a reputation by architects and building professionals as the premier solution for water repellents and sealers. SealGreen is dedicated to solving the destructive influence water intrusion

and other elements have on building materials.

APPEARANCE

SealGreen E-10 surface is approved for use as a clear matte and semi-gloss final floor system.

PERFORMANCE

SealGreen E-10's unique formula allows a multi-coat application to penetrate the surface and form a dense, semi-flexible, no maintenance barrier. A typical application rate of 290 square feet per gallon provides the following:

TECHNICAL DATA

Conditions: 40°F - 95°F	Resinous Coatings: Not Approved
Dry to Touch: 10-15 minutes	Floor Covering Adhesives: 24-48 hours
Re-coat: 10 minutes	Cement Patch: 24- 8 hours
Foot Traffic: 1 hour	Cement Primer: Non Porous Primer Required
UV Exposure: Resistant	Clean Up: Water
Application: Roller Only	VOC Content: 49 g/liter
Reduction: 5% Water	Color: Clear
Rolling Time: 5 hours	Full Cure: 6 Days

TEST DATA

Moisture Vapor Emission F1869	3.0 lbs. Suppression of 10.0 to 3.0 lbs. as required for flooring.
Relative Humidity F2170	85% Restricts relative humidity in concrete up to 85%.
Alkalinity F710	Restricts 14pH Remains resistant to long term 14pH exposure
Water Vapor Transmission E96	Wet method 75% Vapor Reduction vs. non treated concrete
Concrete Adhesion D4541	500psi+ Pull off adhesion results in 500psi
Chemical Resistance D1308	NO damage 30 Day (long term) exposure to 14pH is non-damaging.

PREPARATION

SealGreen E-10 may be applied to concrete surfaces that are clean and absorbent. This includes newly poured concrete during the curing phase, when surfaces are not damaged by walking foot traffic, typically 3 to 8 hours after placement.

MIXING

SealGreen E-10 is a single-component material and requires limited mixing prior to use. Factory sealed units are combined with a 5% water reduction to produce a consistent mixture.

Best results are obtained by applying SealGreen – E10 on clean and dry substrates. All surfaces must be cleaned to remove all traces of dirt, dust, efflorescence, mold, salt, grease, oil, asphalt, laitance, curing compounds, paint, coatings and other contaminants. Acceptable surface cleaning methods include shotblasting, sandblasting, waterblasting and chemical cleaners. If chemical cleaning agents are used, neutralize and wash off residues completely. Allow surface to dry at least 12 hours after water cleaning. Check with SealGreen representative to verify suitable cleaning methods, products and that the surface

preparation is adequate.

All concrete repair and replacement must be completed prior to application. Patching materials, caulking, sealing materials, traffic paint must be fully cured before applying SealGreen E10 Sealer. In addition, the actual amount of material that is used for each application is dependent on the absorptive capacity of the substrate.

Before applying, it is recommended that preliminary tests be carried out to determine usage and to test the effectiveness of the treatment.

APPLICATION

Concrete surfaces, joints, cracks, and holes are to be vacuumed to remove dust and contamination.

Pour SealGreen E-10 on concrete and drag using a 3/8 inch lint free nap roller to form a saturated wet surface. This layer provides maximum penetration to resist long term alkalinity damage.

When the surface has cured for 10 minutes, a re-coat layer is applied to form significant density to reduce water vapor emission. Apply re-coat layer to saturate/floor the entire surface.

Flooring adhesives may be applied after a 24 hour period. The surface will be compatible with flooring adhesive and requires no additional primer. SealGreen E-10 surface is approved for use as a clear matte and semi-gloss final floor system that is moisture – alkaline resistant.

Clean Up: Thoroughly rinse spray equipment with clean water. Wash rollers with soap and water. Rinse thoroughly.

Precautions: Fire hazards are eliminated since SealGreen E10 Sealer is water-based and does not contain combustible or flammable solvents. Respiratory protection is not required during normal use and handling. Please refer to the Material Safety Data Sheet for more detailed information.

CEMENT MATERIALS

SealGreen E-10 surfaces are considered non-absorbent when using a cement patching material. A primer for non-porous surfaces is required to secure cement materials after SealGreen E-10 has cured for 24 hours.

Please contact our technical department when a floor leveling products is required over 1/16 inch.

AVAILABILITY

SealGreen – E10 is available in 1 and 5 gallon containers to approved applicators throughout the United States. Contact ReUse Concrete Sealing Specialists, LLC at 800-997-3873 for a sales representative in your area.

TECHNICAL SERVICE

Technical service engineers and chemists are available to answer questions on product performance, application methods and chemical composition.

WARRANTY

The products of SealGreen E10 and E30 contain highest quality raw materials and are manufactured under strict conditions of quality control. SealGreen sealers are warranted to conform to the manufacturing specifications for a period of six months from initial delivery when stored in conditions greater than 32°F and below 90°F. No warranty or affirmation of fact, express or implied, other than as set forth in this limited warranty is made by SealGreen regarding its product(s). This limited warranty only applies to products purchased directly from SealGreen. SealGreen

expressly disclaims all express and/or implied warranties for its product(s) that are not purchased directly from SealGreen or are resold to or by third parties.

Due to the possibility of improper application, adverse surface or climactic conditions beyond our control, users of SealGreen products shall make their own determinations, based on their own tests, as to the suitability of the product (s) for the intended purposes. SealGreen hereby expressly disclaims any liability for claims that are due to product misuse, improper product selection, misapplication of product(s), substrate selection and preparation, environmental conditions and any failure to observe safety precautions. SealGreen hereby disclaims any implied warranties of merchantability or fitness for any particular purpose regarding any product.

SealGreen shall have no liability for consequential, incidental and/or special damages regarding the sale or use of a product even if the potential for such damages has been disclosed to SealGreen. SealGreen's liability for product claims is limited to only replacement, at the option of SealGreen or refund of the purchase price of the product applied per most current published directions. SealGreen's liability shall not exceed the purchase price paid for the product and shall not include any special incidental or consequential losses or damages resulting from selection, use, installation, handling, care of or replacement of the product (s). The limited warranty does not include labor or the cost of labor for application.

Should a claim be asserted against SealGreen by any party who did not purchase products directly from SealGreen, SealGreen shall be indemnified and held harmless by the party who did purchase the products directly from SealGreen, including the reasonable attorneys' fees, costs and disbursements incurred by SealGreen in its defense of any said claim. This indemnification shall not be deemed or in any manner expand or create a greater obligation on the part of SealGreen than that set forth in this Warranty.

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