



KEL-SEAL 77

— Concentrate —

Clear Masonry Water Repellent

Product Description

A premium quality, penetrating waterborne, vapor permeable, concentrated water repellent for use on Concrete Masonry Units. It may also be used on concrete, pre-cast concrete, brick and stucco. Kel-Seal 77 is a low VOC, silane emulsion that renders the substrate water repellent. It is especially suited for applications in which solvent-borne products are not acceptable, such as states which require these type of products to meet VOC regulations and must be AIM compliant. Excellent for commercial and residential application.

Performance Features

- Excellent Resistance to Wind Driven Rain
- Vapor Permeable System
- Reduces Efflorescence
- Resistant to Alkali Attack
- Ultra Low VOC Silane Concentrate
- Low Odor
- Water Clean-Up

Product Specifications

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|-------------------------------------|---|
| Resin Type: | Silane Based Emulsion |
| Color Range: | Milky, dries Clear |
| Drying Time: (75° F. & 50% R.H.) | To touch: 2 hours To recoat: 24 hours. |
| Practical Coverage: | See coverage chart |
| Weight Per Gallon: | 8.5 lbs. |
| Solids By Weight: | 50% |
| Solids By Volume: | 50% |
| Sizes: | One & five gallon containers |
| Viscosity: | 12 cps in concentrate |
| Flash Point | 195° F. |
| V.O.C. | <90 Grams per liter |
| Clean Up: | Water |

Product Analysis (by weight, undiluted)

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|--------------------------------|-------------|
| PIGMENT COMPOSITION | 0% |
| VEHICLE COMPOSITION | 100% |
| Silane based Emulsion: | 50% |
| Water, Surfactants, Defoamers: | 50% |

Surface Preparation

WARNING! If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

General:

All surfaces must be cured, firm, dry and cleaned free of dust, dirt, oil, grease, wax, paint, rust, loose mill scale, bond breakers and curing compounds, efflorescence, asphalt stains, mildew or any other contamination or condition that would adversely affect the performance of the coating. Fill holes and surface irregularities with a suitable patching compound to match the surface profile.

New Masonry Surfaces:

Follow general surface preparation guidelines. All surfaces must be allowed to cure a minimum of 28 days. All repointing and repair must be allowed to cure at least 3 days. Concrete repair and replacement must be completed prior to application of Kel-Seal 77. Patching materials must be allowed to fully cure before applying Kel-Seal 77.

Application:

Mix thoroughly prior to and during application. For best results apply Kel-Seal 77 only to dry surfaces using low pressure (15 to 25 psi) pumping equipment with a wet fan type nozzle. Suitable equipment includes agricultural type sprayers and 1:1 transfer pumps. Pump-up garden sprayers are suitable for small jobs. Suitable for airless spray application at low pressure using a 621 - 635 airless tip. Do not apply to a wet or damp substrate. On vertical surfaces, apply Kel-Seal 77 in a flood application, from the bottom up enabling the material to run down the face of the substrate 6 to 8 inches below the spray pattern.

Continued Next Page

KEL-SEAL 77(cont.)

Application: (cont.)

On horizontal surfaces, allow the material to pond for a minimum of 5 seconds before being absorbed. Brush off excess product 10 minutes after application. Coverage rates on masonry surfaces depend on the type of material to be treated. Protect glass, metal, plastic and other non-porous substrates from overspray. Kel-Seal 77 should not darken or discolor substrate if the material is applied at recommended coverage rates, mixing ratios and temperatures. However, due to variations in substrate porosity and environmental conditions results may vary. A test panel is advised to verify compatibility.

Kel-Seal 77 should be applied at no less than 40° F. and no more than 100° F. surface, ambient and material temperature

DO NOT TINT.

NOTE: Pot life after mixing with water is 10-14 days.

Thinning – Mixing Ratios*:

| SUBSTRATE | RATIO |
|--|---|
| Concrete (Pre-Cast, Cast) | 1Part Kel-Seal 77 to 9 Parts Water |
| Brick | 1 Part Kel-Seal 77 to 6 Parts Water |
| Stucco | 1 Part Kel-Seal 77 to 6 Parts Water |
| Concrete Masonry Units (Concrete Block) | 1 Part Kel-Seal 77 to 4 Parts Water (may require 2 coats) |

* A test panel is advised to verify compatibility.

PRACTICAL COVERAGE: (per Gallon mixed)

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|--|-----------------|
| Concrete (Pre-Cast, Cast) | 175-225 sq. ft. |
| Brick | 75-175 sq. ft. |
| Stucco | 75-100 sq. ft. |
| Concrete Masonry Units (Concrete Block) | 40-80 sq. ft. |

Test Data:

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|-------------------------------------|--|
| ASTM E514 Result: | <i>“Water Leakage of Masonry”</i> 100% reduction in leakage. |
| ASTM D1653 Result: | <i>“Moisture Vapor Permeability of Organic Coatings”</i> 65.5 grams/ft ² /24 hours, 95% water vapor transmission. |
| ASTM C67 Result: | <i>“Sampling and Testing Brick and Structural Clay Tile, Part 7 Absorption”</i> 24 Hour submersion test 81% effective in reducing moisture intrusion. |
| ASTM C140 Result: | <i>“Water Absorption Concrete Masonry Units”</i> 24 hours submersion test, 91% effective in reducing water intrusion. |

Precautions

Avoid contact with eyes, skin and clothing. Do not take internally. Wash thoroughly after handling. Close container after each use. Protect from freezing. For additional safety information, consult the Material Safety Data Sheet for this product.

**USE ONLY WITH ADEQUATE VENTILATION
KEEP OUT OF REACH OF CHILDREN.**

Proper Disposal

For proper disposal of excess material, please contact your local city or county waste management agency.

Limited Warranty: The statements made on this bulletin, product labels or by any of our agents concerning this material are given for information only. They are believed to be true and accurate and are intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of other materials and other variables affecting results are all beyond our control, Kelly-Moore Paint Company, Inc., does not make nor does it authorize any agent or representative to make any warranty of MERCHANTABILITY OR FITNESS for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Kelly-Moore's quality control standards. Any liability whatsoever of Kelly-Moore Paint Company, Inc. to the buyer or user of this product is limited to the purchaser's cost of the product itself.