



# “THE ORIGINAL POLISHED OVERLAY”

## Technical Data and Installation Instructions

www.decopour.com

### DESCRIPTION

RAECO Deco-Pour™ is a self-leveling, structural grade, interior or exterior floor topping mortar containing cement, graded aggregate, recycled concrete aggregates, polymer and control additives. Mixed only with water, it becomes a free flowing material that achieves a flat and smooth surface.

The mortar can be applied from 1/8" to 1 1/2". For thickness greater than 1 1/2 inches, use 1/4"- 3/8" pea gravel. RAECO R-2000 primer or R-3000 Non-Porous is required prior to installation. Deco-Pour™ IS A REAL PORTLAND CEMENT BASED PRODUCT.

The finishing methods and processes involved in polishing, densification and all design elements are proprietary to the Deco-Pour™ Floor system. Deco-Pour™ is produced to meet the material specifications of Deco-Pour™, and produced for Deco-Pour™ licensed installers only. It is not available to unauthorized contractors.

### APPROXIMATE COVERAGE

50 lb. bag: 25 sq. ft. @ 1/4"

For Thickness over 1 1/2" inch depth:  
1 1/2" & up use 1/4"-3/8" pea gravel @ 60 lb per bag

### PROPERTIES

#### COMPRESSIVE STRENGTH, PSI (ASTM C-579)

1 Day: 2950

7 Days: 4500

28 Days: 6200

#### TENSILE STRENGTH, PSI (ASTM C-307)

28 Days: 750

#### BOND STRENGTH, PSI (ASTM D-3931)

28 Days: 600

#### FLEXURAL STRENGTH, PSI (ASTM C-348)

28 Days: 1500

#### SHRINKAGE % (ASTM C-531)

28 Days: -.07%

#### HARDNESS,

60 Days Mohs Scale rating: 5.0

Shore 'D' Hardness: 85+

- Flow Time: 10 min. @ 70° F. (21.1° C.)
- Working Time: 12 min. @ 70° F. (21.1° C.)
- Initial Set: 30 min. @ 70° F. (21.1° C.)
- Foot Traffic: 2-3 hours
- Floor covering: 16 hours (Approximate)
- Flame Spread: 0
- Fuel Contribution: 0
- Smoke Development: 0

### SURFACE PREPARATION

Surfaces to be covered must be structurally sound, clean and free of dust, oil, grease, sealers, curing compounds, laitance, release agents or other surface contaminants. Where possible, cut vertical shoulders at edges to accommodate repair or use foam tape (weather-stripping) as a cold joint. For smooth existing surfaces, we recommend mechanical abrasion to achieve an acceptable surface profile, a concrete surface profile of 3-6 is recommended \*See Intl Concrete Repair Institute for profile details at [www.icri.org](http://www.icri.org). The cleaning and preparation method selected depends on both the sub-floor material and its condition. Acid etching is not recommended. All surfaces to be leveled with RAECO Deco-Pour™ must be primed with R-2000 primer, including additional layers of Deco-Pour™. Apply primer using a soft bristle brush, or exploded tip push broom. Pour the diluted primer on the floor and sweep thoroughly to ensure that the surface is coated evenly without leaving puddles or bare spots. A second application may be required over porous surfaces, call RAECO for guidance. Seal all cracks, crevices and voids to prevent the Deco-Pour™ from flowing outside your working area. Failure to remove all contaminants that impede the bonding agent may result in adhesion problems.

### MIXING

RAECO Deco-Pour™ is mixed by adding clean water at a rate of approximately 5.4 to 5.75 quarts of water for each 50 lb. bag of dry powder. Do not exceed 5.7 quarts (5.4 liters) of water per 50 lb. bag. Do not exceed 5.75 quarts of water (5.7). The

Properties based on 4.25 quarts per 50 lb. bag



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water should be added to the mixing container first, then pour in the Deco-Pour™, followed by the appropriate aggregate (if used). No other admixtures are to be used. (Portable cement mixers or pumps may be used for larger projects). Using a mixing paddle (a whip type is recommended) with a high speed drill (minimum speed 650 rpm), mix thoroughly (2 to 3 minutes) until the powder has been completely dispersed and the mix has acquired a smooth homogeneous texture, then add decorative aggregates if desired. For thickness over 1 ½” thick, ¼”-¾” pea gravel may be added after the Deco-Pour™ been mixed thoroughly. The addition of the pea gravel will affect the flowability of the mix. It is recommended to mix only the amount of Deco-Pour™ that can be applied within the 12 minute working time. Temperatures and material depth will effect working time. Because the mixed material is rapidly poured and spread, application should be completed in a continuous operation.

#### APPLICATION

Apply the RAECO Deco-Pour™ mixture to the prepared surface, by using a gauged spreader tool that can be adjusted to various heights. Do not attempt to trowel the wet mortar. The use of a gauged spreader and smoother blade are recommended to improve the surface. Rubber or plastic-cleated soccer shoes should be worn when working in fresh mortar. Deco-Pour™ will self-mend during the first 12 minutes at 70° F and will accept foot traffic 2-3 hours later. Under normal conditions, floors can be covered in 24 hours.

When Deco-Pour™ is to be applied on surfaces other than concrete (i.e., wood, metal, terrazzo, etc.), consult RAECO for recommended preparation, bonding, and application procedures. All floor adhesives compatible with normal concrete may be used with Deco-Pour™. Temperatures in excess of 85° F., ambient or surface, can cause flash set and dehydration, resulting in cracking and debonding.

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#### LIMITATIONS

RAECO Deco-Pour™ should only be applied by licensed Deco-Pour installation professional. Only apply over substrates that are between 40° and 85° F. (4.4° and 29.2° C.) Do not allow to freeze within 7 days of application. When applying Deco-Pour™ to a thickness greater than 1 ½” (35.8 mm), bulk the mix with the appropriate type and amount of aggregate, or apply in multiple layers.

#### WARNING

RAECO Deco-Pour™ contains Portland cement and silica sand. Use of a dust respirator, safety goggles and rubber gloves are recommended. In case of contact with eyes, immediately flush with water and consult a physician. Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using product.

#### WARRANTY

RAECO Specialty Cements, LLC, warrants that if its products prove to have manufacturing defects and RAECO is notified of such within twelve months from the date RAECO shipped the products, RAECO will replace the defective products F.O.B. factory. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. RAECO does not authorize anyone, including RAECO Representatives, to make any statements that supersede, modify or supplement the information provided on its printed literature or package labels without written confirmation from the RAECO Technical Service Department. Any installations proceeding without this confirmation, or improper installations of the products will void this warranty. Under no circumstances will RAECO be liable for economics, special, incidental, or consequential damages or losses of any kind whatsoever arising out of or occasioned by selection, use installation or replacement of this product. RAECO WILL NOT ASSUME ANY LIABILITY FOR ASTHETIC ISSUES, OR THE OVERALL APPEARANCE OF THE FINISHED DECOPOUR™ FLOOR.

**GUIDE SPECIFICATIONS: Consult Deco-Pour™ for latest edition Guide Spec .**



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