



QC PermaSeal

Product Information Bulletin 27.0507P

QC PERMASEAL

Uses and Benefits

- QC PERMASEAL is a water-based, single component, epoxy-modified, penetrating sealer.
- VOC Content = 130 g/l: This product conforms to VOC regulations in all area except SCAQMD.
- QC PERMASEAL dries crystal clear creating a finish that ranges from a satin sheen to a semi-gloss, depending on the surface and number of coats.
- QC PERMASEAL performs well inside and outside, on both new and old surfaces.
- QC PERMASEAL is appropriate for cast-in-place concrete, or decorative stamped and patterned concrete that has been colored using systems such as QC COLORTECH-E*, QC COLORTECH*, QC COLOR HARDENER*, QC RELEASE POWDER*, QC THIN-PAVE NI*, QC CONCRETE RESURFACER*, QC PATINA STAIN*, QC CEMENTINT* and QC CONCRETE DYE*.
- QC PERMASEAL can also be applied to concrete and clay pavers, natural stone, porous tiles and Terrazzo.
- QC PERMASEAL will not show wear patterns and topical resealing can be carried out more frequently, in high traffic areas.

Application

Warning: Allow one to seven days for concrete to cure before application of QC PERMASEAL. The concrete should appear dry on the surface.

1. Surfaces must be thoroughly cleaned and dry prior to the application of QC PERMASEAL. Use of QC CONCRETE DEGREASER and NEUTRALIZER*, QC FLOOR CLEANER* and/or QC CON-CLEAN* should be used for fast, efficient removal of staining, oils, dirt, soils, and efflorescence.
2. QC PERMASEAL should be evenly applied to the surface using a low-pressure bulk or pressure regulated pump up sprayer with a nozzle pressure not exceeding 25 psi.
3. QC PERMASEAL should be back rolled with a roller, mop, or micro-fiber pad applicator to ensure an even consistent application on the surface.
4. The treated area should be protected from rain or moisture and not be trafficked for 24 hours after completion.
5. Work must cease in inclement weather i.e., rain, strong winds or temperatures below 45 °F.

Supplemental Surface Treatment

1. QC PERMASEAL will wear evenly even in high traffic areas.
2. Areas that require more maintenance and cleaning can be resealed more frequently or as necessary. Resealed areas will not show vast differences in most cases so topical work can be done.
3. QC PERMASEAL is compatible with other surface treatments such as QC INTERIOR FLOOR FINISH* (gloss) and QC NATURAL BEAUTY* (matte).
4. Always test an inconspicuous area to ensure proper physical and aesthetics results.

Removability and Maintenance

Remove QC PERMASEAL using QC SEAL STRIP*.

Maintain the sealed surface with regular cleaning:

Day-to-Day Cleaning – QC PERMASEAL, like all surface sealers, must be kept clean for maximum durability and protection. Frequent sweeping or vacuuming of loose soils will significantly increase the wear-life of QC PERMASEAL.

Maintenance Cleaning – Clean sealed surfaces with QC FLOOR CLEANER* (a water-based detergent cleaner), rinse and let dry.

Removing Ground-in Soils – For removal of ground-in soils, use QC FLOOR CLEANER* diluted to two to four ounces per gallon of water, scrub with a low-speed buffer. Rinse by pressure washing thoroughly. Let dry before allowing traffic.

Limitations

- Do not allow product to freeze.
- A minimum temperature of 45 °F must be maintained for a period of 24 hours prior to application.
- Test sealing is recommended to ensure both the proper physical and aesthetic appearance and properties prior to starting a project.
- It is important to maintain material on the surface in order to provide protection for the concrete and the coloring system on decorative concrete surfaces.
- QC PERMASEAL is not acid resistant so detergent and non-citric acid based cleaners, such as QC FLOOR CLEANER* should be compatible and used for maintenance cleaning process.

Coverage Rates and Drying Times

Coverage rates may vary depending on the type, age and condition of the concrete, application method and other local conditions.

- **Smooth Finish** – Material usage is 200-400 square feet per gallon/coat.
- **Rough or Broom Finish or old concrete** – Material usage is 150-250 square feet per gallon/coat.

Drying times will vary depending on surface porosity, temperature, humidity and other local conditions.

- **Set to Touch** – 20 to 60 minutes.
- **Recoat** – 20 to 40 minutes following first application.
- **Light Traffic** – may be allowed 24 hours after final application.

Shelf Life and Storage

QC PERMASEAL has a shelf life of one year. Store product indoors, away from heat and direct sunlight. Do not allow product to freeze.

Package Sizes

QC PERMASEAL is available in 1- and 5-gallon units.

Applicable Standards

Conforms to ASTM C1028-89 for skid resistance.

Technical Data

Please refer to the corresponding MSDS for hazard-related information.

COLOR..... Milky white (dries clear)

ODOR..... Slight ammonia odor

SPECIFIC GRAVITY..... 0.95 – 1.2 (water = 1)

VAPOR DENSITY..... 17 @ 68 °F (20 °C) *est.*

FLASH POINT..... Non-combustible

VOC..... <130 grams/liter

Product Handling

For complete instructions on handling and use, consult the corresponding Material Safety Data Sheet before using product.

Warranty

QC PERMASEAL is warranted to be of uniform quality within manufacturing tolerances. Since no control is exercised over product use, no warranty, expressed or implied, is made to the effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liability resulting from the use of this product. If you have any questions, please contact QC CONSTRUCTION PRODUCTS.

*PLEASE REFER TO CORRESPONDING PRODUCT INFORMATION BULLETIN FOR TECHNICAL AND APPLICATION DATA.

www.qcconstructionproducts.com

For complete information on all QC products—including product information catalogs, product brochures, color charts, technical specifications, sales aids and more—contact QC CONSTRUCTION PRODUCTS.

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