



Renew by QC

Renew by QC Solid Color Stain, Renew by QC Translucent Stain,
Renew by QC Primer and Renew by QC Color Additive

Product Information Bulletin 45.1108P

RENEW BY QC

RENEW BY QC is a line of non-hazardous, ultra-low VOC water-based penetrating concrete staining products free of acid or acrylic. These products make it easy to rejuvenate colored surfaces or plain gray concrete by minimizing discolorations without altering surface texture.

RENEW BY QC consists of four products:

- RENEW BY QC SOLID COLOR STAIN is a polymer-modified, water-based, high-quality solid concrete color stain that penetrates the surface of concrete, forming an opaque, breathable finish that does not require a sealer.
- RENEW BY QC TRANSLUCENT STAIN is translucent stain used over RENEW BY QC SOLID COLOR STAIN in a contrasting color to produce an antiquing effect.
- RENEW BY QC PRIMER is a primer for use when applying only RENEW BY QC TRANSLUCENT STAIN.
- RENEW BY QC COLOR ADDITIVE is a color enhancer for use with RENEW BY QC TRANSLUCENT STAIN.

Uses and Benefits

- RENEW BY QC products are made especially for use with existing, unsealed, interior or exterior, concrete and other cementitious surfaces, and are ideal for use with overlays.
- Applications include high traffic areas, patios, theme parks, resorts, city buildings, pool decks and driveways.
- Standard colors for RENEW BY QC SOLID COLOR STAIN, RENEW BY QC TRANSLUCENT STAIN and RENEW BY QC COLOR ADDITIVE can be chosen from the QC COLOR HARDENER color chart. All products can be special ordered in any standard QC product color.
- RENEW BY QC COLOR ADDITIVE is available for creating custom colors or different concentrations when applying RENEW BY QC TRANSLUCENT STAIN.
- RENEW BY QC products can be used to create specialty decorative designs with stencils. **Note:** RENEW BY QC products must be applied in very light applications with an appropriate hand brush to avoid bleeding under the stencil.
- RENEW BY QC SOLID COLOR STAIN can be used alone to tint uncolored concrete surfaces (following an application of RENEW BY QC PRIMER) or to create a variety of faux finishes by blending and layering different colors.

Before Any Application

1. QC CONSTRUCTION PRODUCTS utilizes the International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying RENEW BY QC. For proper adhesion, the concrete must be a minimum #1 according to the ICRI CSP chart. Contact the ICRI at www.ICRI.org or QC CONSTRUCTION PRODUCTS for more information on these surface profiles.
2. RENEW BY QC SOLID COLOR STAIN should be applied to concrete that has fully cured. For optimum results, allow concrete to cure a minimum of 28 days prior to application. If stains are applied to concrete that has not fully cured, undesirable results may occur. New overlays must cure a minimum of 24 hours.
3. Mask off any wall lines and adjacent areas where staining is not desired.
4. Concrete temperature should range from 50-95 °F (10-35 °C). In cold temperature applications, the surface will need to be above 50 degrees and rising for a minimum of 3 days.
5. Concrete surface may be slightly damp when applying, but all standing water must be removed prior to installation.
6. Surface must be completely free of sealers, oils, dirt, paint, alkali, penetrating sealers, curing compounds or any foreign materials that will prevent the stain from penetrating. If in doubt, test the surface by sprinkling with water. If water beads up on the surface, additional cleaning and testing must be done. Do not use when hydrostatic pressure is excessive.
7. Pressure washing will be necessary to ensure that the concrete surface is porous enough to achieve sufficient penetration. This rule also applies to newly cured concrete. Hot pressure washing should be done when oil or grease is present or cold pressure washing with a cleaner is acceptable. Pressure washing equipment should be of adequate size and power to sustain 3,000 psi at 4-gallons per minute. Use a 15- or 25-degree fan tip. Do not use a jet stream (0-degree) tip. Keep the wand straight up and down while cleaning. Maintain a consistent distance from the concrete with the nozzle tip while covering the entire area with smooth, even strokes. Overlap each row, slowing down over areas with oil, paint or other undesirable materials to ensure thorough cleaning. Never bear down on the concrete.
8. For an even deeper penetration "hot water" pressure washing is recommended in conditions where extreme pedestrian or vehicular traffic is present. This will help prolong the life of the stain.
9. In areas where pressure washing is not possible, QC FLOOR CLEANER* or QC CONCRETE DEGREASER & NEUTRALIZER*, used with a floor scrubbing machine, is acceptable. Always rinse the surface thoroughly while cleaning product is still wet. Dried residue on the surface will prevent bonding.
10. For extremely dense or burnished surfaces, you may chemically open the floor up using QC CON-CLEAN* or mechanically open the floor by using a floor machine with a 40 to 100 grit sanding screen.
11. If surface is prepared by acid washing, it must be flushed with clean water and neutralized with QC CONCRETE DEGREASER & NEUTRALIZER*. Repeat rinsing and neutralizing as needed. Acid residue on the surface can prevent bonding.
12. It is strongly recommended the applicator brush from QC CONSTRUCTION PRODUCTS be used in all RENEW BY QC applications. Failure to do so can result in improper application.

RENEW BY QC SOLID COLOR STAIN

Mixing Instructions

1. Begin mixing RENEW BY QC SOLID COLOR STAIN Kit by emptying the entire contents of both Bottle 1 and Bottle 2 into a clean bucket (5-gallons or larger for full size kit, 2 gallons or larger for sample size kit).
2. Mix thoroughly with a paint mixer on a slow speed hand held drill for 2-3 minutes.
3. Empty the contents of Bottle 3 in the same bucket.
4. Fill Bottle 3 with clean water to the shoulder of the bottle and screw the cap back on.

5. Shake Bottle 3 for 30 seconds to fully mix any remaining color. Once mixed pour the contents into the bucket.
6. Complete steps 4 and 5 three more times. The bucket will contain Bottle 1, Bottle 2, Bottle 3 and a total of 4 parts water.
7. Slowly shake the contents of Bottle 4 into the bucket.
8. Mix contents thoroughly with a paint mixer on slow speed hand held drill for 1 minute or until the pigment is fully mixed.

Note: The powder pigments must be completely dispersed and mixed thoroughly prior to use.

Application Instructions

1. Always complete a jobsite sample.
2. Keep product agitated and mixed thoroughly throughout application.
3. Begin by applying the stain in a figure-eight motion, using the recommended brush. Pigments must remain suspended throughout application; every time the applicator brush is placed in the bucket; submerge applicator head completely into bucket and move in a circular motion. Do not apply pressure; allow the applicator brush to naturally spread the product. Apply stain evenly, leaving no puddles. Back-brush or re-broom stain over the entire area until color is uniform and stain is almost dry. Pay close attention to joints and corners, as they will dry a slightly different color if not brushed again. Re-broom over footprints or areas of poor coverage.

Note: It is not necessary to maintain a wet edge for RENEW BY QC SOLID COLOR STAIN.

4. Optional: Let each application dry thoroughly prior to an application of RENEW BY QC TRANSLUCENT STAIN.

RENEW BY QC TRANSLUCENT STAIN

Mixing Instructions

1. Begin mixing RENEW BY QC TRANSLUCENT STAIN Kit by emptying the entire contents of both Bottle 1 and Bottle 2 into a clean bucket (5-gallons or larger for full size kit, 2 gallons or larger for sample size kit).
2. Mix thoroughly with a paint mixer on a slow speed hand held drill for 3 minutes.
3. Empty the contents of Bottle 3 in the same bucket.
4. Fill Bottle 3 with clean water to the shoulder of the bottle and screw the cap back on.
5. Shake Bottle 3 for 30 seconds to fully mix any remaining color and pour the contents into the bucket.
6. Complete steps 4 and 5 two more times so the bucket contains Bottle 1, Bottle 2, Bottle 3 and a total of 3 parts water.
7. Mix thoroughly with a paint mixer on a slow speed hand held drill for 30 seconds or until the pigment is fully mixed.

Note: To make custom colors or different concentrations, add a bottle of RENEW BY QC COLOR ADDITIVE to this mixture. Do not add more than four bottles of RENEW BY QC COLOR ADDITIVE. See mixing and application instructions.

Application over RENEW BY QC SOLID COLOR STAIN

1. Keep product agitated and mixed thoroughly throughout application.
2. Apply RENEW BY QC TRANSLUCENT STAIN evenly onto surface with RENEW BY QC applicator brush or garden sprayer (do not use a roller). Back-brushing or re-brooming is optional depending on desired results. The amount of material applied will determine the intensity of the color.
3. Maintain a wet edge to avoid overlap marks.
4. To achieve an "antiquing" effect, allow the material to puddle and dry in recessed areas.
5. Use a 3-inch paint brush for corners and edges.
6. Immediately remove excessive spots and drips with a damp rag.

Application to Uncolored Concrete

1. To tint uncolored concrete with RENEW BY QC TRANSLUCENT STAIN, the concrete surface should be even in color. If existing concrete color is acceptable, prime the surface with RENEW BY QC PRIMER prior to solitary application of RENEW BY QC TRANSLUCENT STAIN.

Note: If the concrete is not even in color or a desired color, it will be necessary to apply RENEW BY QC SOLID COLOR STAIN as a base color.

2. A variety of faux finishes can be achieved by blending and layering different colors of RENEW BY QC TRANSLUCENT STAIN.

Applicators such as, but not limited to, sponges, rags and hand sprayers can produce multiple effects. Any modifications to the product or application procedure or applied combinations of RENEW BY QC TRANSLUCENT STAIN are done at applicator's risk.

RENEW BY QC PRIMER

Mixing Instructions

1. Begin mixing RENEW BY QC PRIMER Kit by emptying the entire contents of both Bottle 1 and Bottle 2 into a clean bucket, 5-gallons or larger and mix thoroughly.
2. Refill Bottle 1 with clean water and empty contents into the bucket. Complete this task two more times so the bucket contains Bottle 1, Bottle 2, and a total of 3 parts water.
3. Mix thoroughly with a paint mixer on a slow speed hand held drill.

Application Instructions

1. Apply RENEW BY QC PRIMER with a RENEW BY QC applicator brush.
2. Do not apply pressure; allow the applicator brush to naturally spread the product.

3. Apply a thin, even layer. Do not allow product to puddle. Back-brush or re-broom over the entire area until product is almost dry. Back-brush or re-broom over footprints or areas of poor coverage.
4. Use a 3-inch paint brush for corners and edges.
5. Let application dry thoroughly prior to application of RENEW BY QC TRANSLUCENT STAIN.

RENEW BY QC COLOR ADDITIVE

Mixing Instructions

1. To make custom colors or different concentrations, add 1-2 oz. bottle of RENEW BY QC COLOR ADDITIVE to the RENEW BY QC TRANSLUCENT STAIN mixture by emptying the entire contents of the bottle.
2. Mix thoroughly with a paint mixer on a slow speed hand held drill for 30 seconds or until the pigment is fully mixed.
3. Add up to 3 more bottles of RENEW BY QC COLOR ADDITIVE for different concentrations. **Note:** Do not add more than 4 bottles of RENEW BY QC COLOR ADDITIVE.

Application Instructions

1. See RENEW BY QC TRANSLUCENT STAIN application instructions for further detail.

Surface Protection and Maintenance

- Regular cleaning with QC FLOOR CLEANER* is recommended. The application surface should be inspected periodically for thin or traffic-worn areas. Reapply product as needed with a maintenance application.
- Sealers ensure long-lasting protection of stained surfaces. If sealing is desired we recommend using a QC approved sealer system. QC CONSTRUCTION PRODUCTS offers a full range of high-end sealer systems for stained surfaces. These systems consist of two coats of a durable base coat sealer, followed by three coats of a special high-solids top coat maintenance sealer.

Base Coat Sealers:

QC CEMSEAL*
 QC PERMASEAL*
 QC VOC 100 WB*
 QC SOLVENT-BASED SEALERS*

Top Coat Sealers:

QC INTERIOR FLOOR FINISH (gloss)*
 QC NATURAL BEAUTY (satin)*
 QC ECO SOY SEAL*

Important Note: If sealers are used, it will prevent any future maintenance coats of RENEW BY QC. Sealers must be removed for future stain applications with an appropriate seal stripping agent. Contact QC CONSTRUCTION PRODUCTS for more information on these products.

Limitations

- Inconsistencies in jobsite conditions, mixing and application methods, finishing techniques, curing methods or other local conditions may produce variations in the final appearance of the finished product.
 - RENEW BY QC is not recommended for pre-sealed or dense surfaces, including glazed tile, marble or granite, dense brick, dense slate, or terrazzo.
 - RENEW BY QC products should be applied to concrete that has fully cured. For optimum results, allow concrete to cure a minimum of 28 days prior to application.
 - Some RENEW BY QC SOLID COLOR STAIN colors may require more than the average two applications to achieve desired opacity.
 - RENEW BY QC TRANSLUCENT STAIN cannot be used to create solid color.
 - RENEW BY QC SOLID COLOR STAIN colors should not be combined to try and create another desired color.
 - These products have minimal effect on concrete texture and will not repair cracks or patches, or prevent any foreign material from penetrating or soiling the substrate.
 - Adhesion problems will occur if used on any surface that will prevent product from penetrating the concrete, such as soiled, sealed, dusting, spalling or painted surfaces.
 - Product must not be applied when temperatures are below 50 °F (10 °C) or exceed 95 °F (35 °C).
 - It is strongly recommended the applicator brush from QC CONSTRUCTION PRODUCTS be used in all RENEW BY QC applications. Failure to do so can result in improper application.
 - Mixed stain kits must be stirred thoroughly throughout application to keep pigments suspended.
 - Mixed kits must be used within approximately 3 hours.
 - Due to product liquidity, use extra care when applying to vertical surfaces.
- Important Note on Color Limitations:** The #2 liquid component of RENEW BY QC may vary in color slightly from kit to kit. As the #2 component ages it is expected that it may change appearance slightly but once mixed and activated, the final applied product will remain color stable. The color difference of the #2 component will not adversely affect the RENEW BY QC SOLID COLOR STAIN, but may cause some natural color variations with the RENEW BY QC TRANSLUCENT STAIN. This means that when a project requires more than one unit of RENEW BY QC TRANSLUCENT STAIN, that the maximum reasonable number of kits are mixed together to reduce the chance for color inconsistency. This mixing of multiple kits of the same color with differing ages and batch numbers will improve the overall consistency of the finished product.

Be aware that the kits are to be mixed and used as a matched set at all times. The final color may be inconsistent when applied if individual components are mixed and matched with components from other kits. Following the correct mixing and application procedures will result in consistent finished product with minimal potential for slight color variation.

Coverage Rates and Drying Times

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

- RENEW BY QC SOLID COLOR STAIN
 Full Size Kit — Covers 250-400 square feet, in two coats.
 Sample Size Kit — Covers approximately 45 square feet, in two coats.

- RENEW BY QC TRANSLUCENT STAIN
 Full Size Kit — Covers 300-600 square feet.
 Sample Size Kit — Covers 75-150 square feet.

- RENEW BY QC PRIMER
 Full Size Kit (one size) — Covers approximately 500-800 square feet.

Drying times will vary depending on surface temperature, air temperature, humidity, rate of re-brooming, porosity and condition of the concrete and other local conditions.

- Each additional application can be completed when the surface is dry to the touch (not tacky) and after at least 1 hour.
- Use the “wet test” to determine suitability of subsequent applications. In an inconspicuous area, place a small amount of water on the stained surface and gently rub with a clean rag. If product softens or re-emulsifies it is not ready for a subsequent application. Wait and repeat the test.
- Surface should not get wet for at least 4-6 hours following application. Surface can be walked on 2-8 hours following application, drivable 48 hours following application. For parking, 5-10 days is recommended to make sure the product has fully cured as temperature and environmental conditions can affect cure time. Surface is cleanable 1 week following application. **Note:** This is a general rule. In warmer temperatures, drying times could be less.

Package Sizes

- RENEW BY QC SOLID COLOR STAIN
 Full Size Kit — Contains four 32-oz. bottles, labeled 1, 2, 3 and 4.
 Sample Size Kit — Contains four 4-oz. bottles, labeled 1, 2, 3 and 4.

- RENEW BY QC TRANSLUCENT STAIN
 Full Size Kit — Contains three 16-oz. bottles labeled 1, 2 and 3.
 Sample Size Kit — Contains three 4-oz. bottles, labeled 1, 2 and 3.

- RENEW BY QC PRIMER
 Full Size Kit (one size) — Contains two 32-oz. bottles labeled 1 and 2.

- RENEW BY QC COLOR ADDITIVE
 Available in 2 oz. bottles containing approximately 1.58 ozs. of liquid.

Applicable Standards

■ QC CONSTRUCTION PRODUCTS utilizes the International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying RENEW BY QC. For proper adhesion, the concrete must be a minimum #1 according to the ICRI CSP chart. Contact the ICRI at www.ICRI.org or QC CONSTRUCTION PRODUCTS for more information on these surface profiles.

Technical Data

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

Physical Liquid/Powder
 Odor Milky/Slight
 Solids percentage 11%
 Specific gravity Heavier than water

Shelf Life and Storage

RENEW BY QC products have a shelf life of one year. Store product indoors, away from heat, moisture and direct sunlight. Do not allow products to freeze.

Product Handling

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

Warranty

RENEW BY QC products are warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as 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 liabilities resulting from use of this product. If you have any questions, please contact QC CONSTRUCTION PRODUCTS.

*PLEASE REFER TO THE QC WEBSITE FOR THE CORRESPONDING PRODUCT INFORMATION BULLETIN CONTAINING 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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