



QC Colorwax

For Professional Use Only

Product Information Bulletin 16.0506P

QC COLORWAX

Uses and Benefits

- This water-based, wax-modified, acrylic formula coating works as both a curing membrane and as a long-lasting, durable and decorative finish to colored concrete surfaces. QC COLORWAX casts a flat, nongloss finish.
- With its excellent adhesion properties and superior resistance to ultraviolet light—as well as resistance to acids, oils, mildew and alkalis—QC COLORWAX is formulated especially for exterior concrete surfaces.
- When curing freshly placed colored concrete, QC COLORWAX can be used on the following interior and exterior surfaces:
 - Colored, imprinted concrete without release agent
 - Integrally colored concrete
 - Color hardened concrete
- Ideal for restoration projects, QC COLORWAX can be applied to existing surfaces to enrich existing color.
- When rejuvenating existing colored concrete, QC COLORWAX can be used on the following interior and exterior surfaces:
 - Integrally colored concrete
 - Color hardened concrete
 - Retail or public areas
- QC COLORWAX is user-friendly:
 - QC COLORWAX is not borne in a milky-white emulsion so that the color, from package to application, is more consistent.
 - QC COLORWAX is formulated to match the color of concrete after it completely dries.
 - A water-based product, QC COLORWAX is easy to clean up.
- QC COLORWAX improves color consistency and comes in all standard QC COLORTECH-E* and QC COLOR HARDENER* colors as well as a wide range of custom colors.

Before Any Application

1. When using this product on existing colored concrete, your surface must be clean, free of loose, unstable sealers or coatings, and completely dry before application. When working on interior surfaces, a QC MOISTURE TEST KIT* should be used in accordance with ASTM D 4263 standards to determine the amount of moisture movement in the concrete prior to the application of this product. In addition, a pH test should be done, using a QC pH pencil. Acceptable pH should range between 8-9. If outside of this range, contact QC CONSTRUCTION PRODUCTS. (Contact QC CONSTRUCTION PRODUCTS to order an individual QC MOISTURE TEST KIT* or a three-pack kit. Contact information for QC CONSTRUCTION PRODUCTS can be found at the end of this bulletin.)

For exterior surfaces, there is no method to effectively test for moisture movement and related problems. If moisture problems are suspected, pretreat the surface with QC CEMGUARD* according to the instructions in the respective Product Information Bulletin. QC CEMGUARD* is a clear, penetrating water-based sealer designed to harden, waterproof, protect and preserve concrete, even in the most adverse environments.

2. **Important Note:** Before applying, it is very important to completely stir QC COLORWAX so that it is thoroughly mixed. Product can be stirred by hand or mixed well with a jiffy mixer.

3. Prior to application, test QC COLORWAX in an inconspicuous area to ensure compatibility. If in doubt about surface on existing concrete, consult QC CONSTRUCTION PRODUCTS.

4. For touch-up work on colored concrete, QC COLORWAX can be diluted to a 1:1 ratio with water prior to application.

Application – Curing New Concrete

1. QC COLORWAX is best applied with a fan tipped sprayer and then back rolled. Apply in even thin coats, and avoid overspray and puddles.
2. When used for curing freshly placed colored concrete, QC COLORWAX can be applied when concrete has set to the point when you can walk on the surface without marring it and when the surface moisture has evaporated.
3. To help achieve uniformity of color, an additional finish coat of QC COLORWAX should be applied to freshly placed concrete cured with QC COLORWAX. To avoid alkalis and salts from becoming trapped beneath the finish coating and causing discoloration, the concrete should be allowed to completely cure. Before applying the finish coat, allow at least 14 days for concrete to cure. For optimum results, allow concrete to cure for 28 days or longer.

Application – Sealing Existing Concrete

1. Surface must be thoroughly cleaned, rinsed, and allowed to dry before sealing.
2. When sealing existing concrete with QC Colorwax, test prior to application in an inconspicuous area to insure compatibility. If in doubt about surface on existing concrete, consult QC Construction Products.
3. If applying over an existing sealer, a light sanding (200-500 grit) is recommended to promote better adhesion.

Drying Times

- **Note** – Drying times below will vary depending on surface porosity, temperature, humidity, and local conditions.
- **Set to Touch** – Surface can be lightly touched one to two hours after application.
- **Traffic** – Light traffic may be allowed six to eight hours after application. Heavy traffic may be allowed 24 hours after application.

Limitations

- QC COLORWAX should only be used on colored concrete. QC COLORWAX is not meant to be the primary coloring system.
- As a water-based product, QC COLORWAX may not adhere, or it may soften, if applied too heavily, if not allowed to completely dry, or if not applied according to directions. Surfaces with QC COLORWAX may also become slippery, especially on surfaces such as pool decks where water collects.
- QC COLORWAX may not adhere to extremely hard troweled concrete.
- QC COLORWAX is designed to match the color of fully cured concrete. Freshly placed concrete is darker than fully cured concrete.
- It is very important that QC COLORWAX be allowed to completely dry before contact with temperatures below 40° F or before contact with water.
- Concrete cured with QC COLORWAX should not be covered with plastic sheeting or waterproofing paper. If concrete needs further curing after a period of four days, then new, nonwrinkled, nonstaining, reinforced, kraft-curing paper can be used.

■ Do not apply QC COLORWAX if the surface or ambient temperature is below 45° F, above 95° F, or if the temperature is expected to fall below freezing (32° F) within the 24-hour curing cycle.

■ Like all coatings, QC COLORWAX requires periodic maintenance as well as reapplication.

■ Adhesive-backed tape (such as duct tape) left on QC COLORWAX over an extended period of time will create a chemical “weld” between the tape and the sealed substrate. If this happens, the sealer may be subject to delamination. Delamination can also occur when plastic or synthetic rubber mats are placed on the surface and left undisturbed over extended periods and when rubber tires on the sealed surface have been exposed to heat.

Coverage Guide

■ **Note** – Actual coverage may vary depending on the texture, porosity, age and condition of the concrete, the application method and other local conditions.

■ **Smooth Finish, Per Coat** – Material usage, per coat, is approximately 400 square feet per gallon.

■ **Rough Finish, Per Coat** – Material usage, per coat, is approximately 350 square feet per gallon.

Package Sizes

■ 1-gallon pail

■ 5-gallon pail

Technical Data

■ Base Color Available in a wide range of QC specification colors

■ Odor Slight ammonia odor

■ Solids Content 45% (without tint)

■ Flash Point > 200 F

■ VOC Content Less than 250 grams per liter (VOC stands for volatile organic compound)

■ Specific Gravity 1.16

■ Density 9.62 pounds per gallon

■ Gloss Finish Matte finish

■ Shelf Life Sealed, unopened product is under warranty for one year

Applicable Standards

QC COLORWAX *complies* with the following regulations and requirements:

■ VOC regulations (less than 250 grams per liter)

Product Handling

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

Warranty

QC COLORWAX, a proprietary product, is 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 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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