



AquaClear VOC™ Characteristics and Applications

Description

AquaClear VOC™ is formulated with 100% acrylic resin, designed to seal, protect and add a low sheen, matte finish to decorative concrete and architectural finishes. AquaClear VOC™ is a ready-to-use liquid, no dilution is required. AquaClear VOC™ provides abrasion resistance, resistance to attack from light chemicals, and reduces staining caused by common substances.

Basic Uses

AquaClear VOC™ is designed for the Impressions™, Perferetto-Espray™, Fresco Stain™, Tinté D'Acqua™, Artisan Overlay™, FauxCrete™, Colour-Hard™, ColorFlo® Liquid Color, Ventian MicroTop™ and other architectural colored concrete projects.

Composition

AquaClear VOC™ is a proprietary formulation consisting of 100% acrylic resin and special additives. AquaClear VOC™ is a water-based liquid material that is milky white in color, which dries to a clear, low sheen film.

Applicable Standards

AquaClear VOC™ is V.O.C. compliant and meets State of California Regulation 8, Organic Compounds, Rule 3, Architectural Coatings.

Abrasion Resistance (ASTM D 658)

AquaClear VOC™ - 225-350 g/mil (grams of abrasive required to remove 1 mil of sealer)
Comparative results of typical solvent based sealer -160 g/mil.

Stain Resistance

(One hour exposure)

Ketchup - no effect
Mustard - no effect
Grape Juice - no effect
Coffee - no effect
Chocolate Syrup - no effect
Tincture of Iodine - poor
Coal Tar - poor

Chemical Resistance

(One hour exposure)

Used Motor Oil - no effect
10% Sodium Hydroxide - no effect
10% Sodium Chloride - no effect
10% Calcium Chloride - no effect
3% Trisodium Phosphate - no effect
10% Ammonia - no effect
10% Hydrochloric Acid - Fair
Brake Fluid - poor
Skydrol - poor

Water Blushing (exterior exposure after 48 hour cure)
6 months - no visual effects

Application

Samples and mock-ups: Provide sealed, applied material samples in the color and texture specified for the project to the architect and owners for

approval prior to project start. Provide on-site, mock-up prior to project start for approval of color, texture and workmanship.

Preparation: Substrates should be clean, free of all debris and contaminants and thoroughly dry. Newly placed cured concrete, toppings or overlays must be cured 24-48 hours from time of completed installation, depending on ambient conditions, substrate and mix design. Longer curing times are required in cool, damp conditions.

Application: AquaClear VOC™ must be thoroughly mixed prior to use. Apply the AquaClear VOC™ by brush or spray (airless spray application is recommended). Uniformly apply the sealer at 200-300 square feet per gallon (4.9-7.4 m²/L) per application. Allow the sealer to dry, then uniformly apply a second coat of AquaClear VOC™ at the same coverage rate. Ensure application is uniform and a complete film over the entire surface has been achieved. Do not apply the sealer applications too heavy or too light per coat. Heavy coats will extend the dry time and could discolor or peel. In general, several light mist coats are more effective than a heavy single coat. Re-application can take place as soon as the previous coat has dried. Protect the application from rain, snow or excessive moisture for 24 hours.

Coverage Rate

200 - 300 square feet per gallon (4.9-7.4 m²/L) per application, minimum of 2 applications required.

Limitations

Minimum ambient and surface temperature for application is 45°F (7.2°C) during application and for a minimum of 24 hours after application. Do not apply if rain, snow or excessive moisture is expected during application or within 24 hours after application.

Do not use as a wear layer for heavy traffic areas as black tire marking and premature failure could occur. For high traffic areas, 2 coats of Magnum Seal™ should be applied over the AquaClear VOC™ for added protection.

Packaging

1-gallon (3.8L) jug, 4 jugs per case, 36 cases per pallet
5-gallon (18.9L) pail, 36 pails per pallet
55-gallon (209L) drum

Storage and Shelf Life

KEEP FROM FREEZING. Store in cool, dry area. Shelf life is 1 year from date of manufacture in original unopened containers.

Clean Up

Tools and equipment should be cleaned up with Xylene type products and rinsed with clean water.

Precautions

It is mandatory to take the following precautions to protect workers and the public:

1. KEEP OUT OF THE REACH OF CHILDREN.
2. Wear protective clothing, gloves and goggles when handling and/or applying AquaClear VOC™.
3. Avoid contact with skin and eyes. Flush with water if contact occurs.
4. Avoid ingestion of material. If ingestion occurs, contact a poison control center or physician immediately.

Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

Warranty

Legacy® Decorative Concrete Systems, Inc. warrants that these products will be free from defects, and will perform as specified in the Technical Data Sheet, provided that storage, use and application of product are in accordance with manufacturer's recommendations and application instructions. The exclusive remedy of the user or buyer and the limit of the liability of this company for product proven defective shall be the purchase price paid by the user or buyer for the quantity of the Legacy® Decorative Concrete Systems, Inc. products involved. Legacy® Decorative Concrete Systems, Inc. shall not be liable for indirect, incidental, consequential, or special damages, whether due to breach of warranty or tort (including without limitation Legacy® Decorative Concrete Systems, Inc.).

Manufacturer

Legacy™ Decorative Concrete Systems, Inc.

4021 Color Plant Rd.
Springfield, IL 62702

P.O. Box 8406
Springfield, IL 62791-8406

Tel. 217-522-6737
Toll Free 866-684-9394
Fax. 866-684-9395

Legacy Distribution Centers

4021 Color Plant Rd.
Springfield, IL 62702

1251 West Durst Rd.
Rialto, CA 92376

670 Allen Rd.
Carlisle, PA 17013