

### Coverage Rate

1. **Always** assess existing conditions before starting the application process. Test a small area to confirm suitability, coverage rate and desired results before beginning overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let surface dry thoroughly before inspection.
2. Coverage rates vary based on age of the concrete, surface porosity, and type of finish. Always test. **The following is a guide for estimates only. Do not over apply.**
  - **Coverage (Total Material Usage):**
    - 1 gallon covers 120 - 200 sq ft
  - **Application Method (How to Apply That Coverage):**
    - Apply in 2 light passes, not one heavy coat
    - Each pass should be applied at approximately 240 - 400 sq ft per gallon
    - The two passes together equal the required total coverage of 120 - 200 sq ft per gallon

### Important Clarification

- The 240 - 400 sq ft per gallon rate **refers to each individual pass, not the total coverage.**
  - When two passes are applied at this rate, the combined application equals the required total coverage of 120 - 200 sq ft per gallon.
  - **Do not attempt to cover 240 - 400 sq ft with one gallon in a single coat, as this will result in underapplication and reduced performance.**
3. Apply as packaged. Do not dilute, alter or use for applications other than as specified.
  4. Stir or mix well before use.

### Application on Existing Wall/Vertical Concrete

1. Concrete walls must be free of release agents, curing compounds, and any surface coatings. A test section is advised to ensure contaminants are removed. The water test may also be used here- water should not bead on the surface but instead absorb.
2. Vetrofluid can be applied using a low-pressure sprayer, roller, or brush.
3. Apply from top to bottom and broom out any runs for an even finish. Application is permitted on damp surfaces.
4. Once Vetrofluid has dried for two hours, light rain will not affect the surface— Allow twenty-four hours before exposure to heavy rain. Wait twelve hours before backfilling operations on below-grade concrete.
5. Do not install below 41°F or above 104°F surface temperature. The concrete temperature should be above 35°F for 72 hours after application. If surface temperatures exceed 90°F, pre-wet the surface with water. Application may proceed on damp (not ponded) surfaces.

6. A second application may be applied two hours after the first application has been absorbed, or later time, depending on scheduling. Follow the same procedure as with flat surfaces.

### Application on Existing Flat/Horizontal Concrete

1. Existing concrete surfaces must be clean and free from oil, grease, curing compounds, release agents, laitance, tire marks, soda, coffee stains, and other contaminants. A test section is recommended to confirm surface cleanliness. A simple water test can verify absorbency - water should not bead on the surface but should instead flatten and absorb into the concrete.
2. Surfaces that are power-troweled, burnished, or polished must be tested for porosity. If the surface does not absorb water, it must be opened using mechanical abrasion or pressure washing. Vetrofluid should be applied evenly across the surface; broom or microfiber any excess to ensure uniformity.
3. Vetrofluid may be applied using a low-pressure sprayer, roller, or brush. The first application should be applied to saturation (surface should appear wet or damp) and should not remain on the surface for more than 10 minutes. Broom out any areas of ponding. A second application may be applied as early as two hours after the first application has been absorbed, or at a later time, depending on project scheduling. Surfaces left for extended periods may require additional cleaning before the second application. Avoid Flooding joints.
4. For hard-troweled or smooth surfaces, brooming in necessary to ensure even penetration.
5. Application is allowed on damp (not saturated or ponded surfaces)
6. Once Vetrofluid has dried out for two hours, light rain will not affect the surface. Allow 24 hours to cure before exposure to heavy rain.
7. Do not apply Vetrofluid below 41° or above 104°. The concrete Temperature must remain above 35°F for 72 hours after application. For surface temperatures above 90°F, mist the surface with water before application to cool it down. Application may proceed on damp (not ponded) surfaces.

Visit [www.ecobeton-usa.com](http://www.ecobeton-usa.com) for more information about Vetrofluid®

### Application for New Concrete as Curing Agent:

1. Vetrofluid may be used as a curing treatment on new concrete. It is a reactive penetrating cure, not a film forming product. It hardens and seals the surface to reduce plastic shrinkage, cracking, and moisture loss.
2. Apply once the bleeding water has receded and finishing is complete
3. Recommended cure first application rates:
  - 220-300 sq. ft./gal- broom finishes
  - 240-350 sq ft/gal- hard troweled surfaces
4. Actual coverage will vary based on porosity and finish type. Brooming may be required to distribute the product evenly and avoid ponding, especially on dense finishes. Avoid flooding joints with Vetrofluid. Typically, the second coat is applied before green cutting. The second coat can be applied based on project schedule. All saw cutting laitance will need to be removed and ensure a clean surface before the second application.

### Storage Requirements and Warnings

1. Protect from freezing. If frozen, contact the manufacturer before use.
2. Seal containers tightly to prevent evaporation and contamination.
3. Store away from UV exposure and environmental extremes.
4. Remix before use. For buckets and small containers, shake vigorously. For totes, stir with a paddle mixer for several minutes.
5. Protect glass and aluminum during application
6. Vetrofluid is compatible with integrally colored concrete. For topical stains or dyes, apply a light coat of Vetrofluid at least 7 days prior, followed by a surface rinse before staining. Always perform a test section to confirm compatibility.

### Equipment Cleanup

1. All sprayers, tanks, pumps, brushes, rollers and other equipment that came into contact with Vetrofluid can be easily cleaned with a water rinse. Sprayers & pumps can be flushed with water.



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