ecoBETON-USA®
PERMANENT CONCRETE ANTI-DETERIORATION PROTECTION

Vetrofluid® General Application Guidelines

Revised October, 2024

Coverage Rate

1. The coverage rate varies from 160 to 250 square feet per gallon per coat. A second coat is recommended for increased durability. Typically, the coverage rate for a second coat will increase from the coverage rate used for the first coat.
2. Coverage rate is affected by the age of the existing concrete, surface porosity, and type of finish; power trowel versus heavy broom will influence the application rate.
3. Existing conditions should be reviewed before the application. ***A test section may help determine the correct application rate*.**

Application on Existing Wall/Vertical Concrete

1. Existing concrete surfaces should be free from release agents, curing compounds, and any coatings that may have been applied. *A test section is recommended to ensure the existing concrete is free from noted residues. A simple water test can be used, and no water should bead on the surface; it should flatten out and penetrate the existing concrete.*
2. Vetrofluid can be applied by spraying, roller, or brush. It is recommended that you use a low-pressure sprayer.
3. Application should progress from the bottom to the top. Runs should be broomed out for an even coat application.
4. Vetrofluid can be applied to a damp surface.
5. Once Vetrofluid has dried out for two hours, light rain will not affect it—twenty-four hours for heavy rain. Wait twelve hours before backfilling operations on below-grade concrete.
6. 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. Surface temperatures above 90°F should be misted with water before Vetrofluid application. This will help to cool the surface temperature, and Vetrofluid can be applied to a damp surface with no standing or ponding water.
7. For additional durability, a second coat can be applied as early as two hours after the first coat has penetrated the concrete or days or weeks later as best fits the project schedule. The second coat application will follow the recommendation for use on existing concrete.

Application on Existing Flat/Horizontal Concrete

1. Existing concrete surfaces should be free from residues of oil, grease, curing compounds, release agents, laitance, tire marks, soda, and coffee stains, to name a few. *A test section is recommended to ensure the existing concrete is free from noted residues. A simple water test can be used, and no water should bead on the surface; it should flatten out and penetrate the existing concrete.*
2. Vetrofluid can be applied by spraying, roller, or brush. It is recommended that you use a low-pressure sprayer.
3. Apply the first coat to saturation; it should not remain on the surface for more than ten minutes. Broom out any areas that show ponding. A second coat can be applied as early as two hours after the first coat has penetrated the concrete or days or weeks later as best fits the project schedule. If the second coat is delayed, the surface may require additional cleaning. *Avoid flooding joints with Vetrofluid.*
4. Vetrofluid on hard-troweled and smooth concrete surfaces will require a brooming to work the Vetrofluid evenly into the surface.
5. Vetrofluid can be applied to a damp surface, not saturated or ponding water.
6. Once Vetrofluid has dried out for two hours, light rain will not affect it—twenty-four hours for heavy rainstorms.
7. 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. Surface temperatures above 90°F should be misted with water before Vetrofluid application. This will help to cool the surface temperature, and Vetrofluid can be applied to a damp surface with no standing or ponding water.

Visit www.ecobeton-usa.com for more information about Vetrofluid®

info@ecobeton-usa.com 4894 Sparks Blvd. Sparks, Nevada 89436 800.723.2198

ecoBETON-USA®
PERMANENT CONCRETE ANTI-DETERIORATION PROTECTION

Vetrofluid® General Application Guidelines

Revised October, 2024

Application for New Concrete as Curing Agent

1. Vetrofluid can be used as a cure on new concrete surfaces. It is a reactive penetrating cure, not a film-forming cure. It will harden and seal the surface to reduce surface plastic shrinkage cracking, and moisture loss.
2. Apply after the bleed water has receded and after the finishing operation.
3. The recommended approximate application rate for cure is 160 to 180 sq. ft. per gallon for a broom finish and 200 to 250 sq. ft. per gallon for hard-troweled surfaces. The exact coverage will vary depending on the concrete porosity and type of finish. The application may require brooming to ensure even application and no ponding on extremely hard-troweled concrete surfaces.
4. For additional durability, a second coat can be applied as early as two hours after the first coat has penetrated the concrete or days or weeks later as best fits the project schedule. The second coat application will follow the recommendation for use on existing concrete.

Scan Here For the latest Application Guidelines

Applying Vetrofluid to Power-Troweled Surface as a Cure

1. Apply Vetrofluid as a cure over power-troweled concrete as soon as the power-trowels are pulled off the slab. The coverage rate is approximately 200-250 sq feet per gallon over hard-troweled concrete. If the surface is not treated with Vetrofluid the same day, it is recommended that Vetrofluid be applied before the slab is green cut. Apply Vetrofluid with a pump sprayer and ensure no pooling of Vetrofluid occurs. It is recommended that Vetrofluid be broomed with a clean finishing broom. Ensure that all Vetrofluid has penetrated the concrete before snapping any chalk lines for green cuts. Vetrofluid will lock the chalk lines into the concrete.
2. There is no need for a second application of Vetrofluid for medium-duty industrial and commercial use. A second coat is recommended for heavy-duty industrial use.

Storage Requirements and Warnings

1. Protect the product from freezing during storage. Contact the manufacturer if the product has been frozen. Maintain and ensure all seals are tight to prevent evaporation and contamination. Protect storage containers from ultraviolet and environmental damage.
2. Vetrofluid should be remixed after storage. Vigorous shaking is recommended for buckets and small containers, and stirring with a paddle mixer for several minutes is recommended for more oversized totes.
3. Protect glass and aluminum during application.
4. Vetrofluid has been used successfully on concrete with integral color. For topical stains and dyes, a light coat of Vetrofluid should be applied seven days before staining, and the surface should be rinsed before topical staining application. Always perform a test section to confirm product compatibility.