

T1000™ Primer

Technical Data Sheet T1000P-03

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MasterFormat™ Guide Specifications, and Butterfield Color® Architectural Details and Specifications are available for the specifier/designer. All information is available for download online at www.butterfieldcolor.com and at point of purchase.

1. Description: T1000™ Primer is a bonding agent for use with T1000™ Stampable Overlay, a cementitious overlay for the resurfacing of interior or exterior concrete. As an option, it may also be used with T1000™ Fine Overlay. It is a concentrated ethyl vinyl acetate (EVA) copolymer liquid, that when properly mixed and applied, enhances the adhesion, workability and curing of cementitious overlays. It is a white liquid that dries to a clear film. For interior or exterior and horizontal or vertical use.

2. Packaging: T1000™ Primer is packaged in 1 gal. (3.8 L) plastic containers. Containers should be stored in a cool, dry place; protected from freezing, contamination or extended storage in high heat. Do not reuse empty container.

2.1. SHELF LIFE: 1 year, when stored in original, unopened containers, in dry storage. Do not use material that has been frozen.

3. Coverage: Mix a 1 gal. (3.8 L) unit 1:1 with clean, cool water. Do not add more water than recommended. Do not mix with other chemicals or alter in any way. Always measure materials to ensure proper dilution ratio. The recommended coverage rate is 200 sq. ft. per mixed gallon (4.9 m²/L). Do not pour diluted material back into original container. Two applications are recommended to avoid pinholes in the dried film. Coverage rate will vary depending on surface texture, porosity, application method, air and concrete temperature, wind and humidity.

4. Equipment: **MIXING;** T1000™ Primer may be mixed with a drill mounted paint paddle. Do not introduce air bubbles into diluted product by high speed mixing. Once mixed 1:1, do not add more water. **APPLICATION;** Apply T1000™ Primer with a short-nap roller, brush, or hand-pump sprayer. If a sprayer is used, material must be worked into the substrate with a brush or roller. The application tools should be clean and dry. If tools become tacky during application, they should be replaced or cleaned with water and free from excess water before using again.

5. Surface Preparation: Clean area and remove all unsound concrete, grease, oil, paint, mastics, and any other materials that will impede penetration and adhesion of the primer or cementitious overlay. Thoroughly roughen and open slick or sealed

surfaces. Repair all cracks. Do not attempt to fill or repair cracks with T1000™ Primer. Concrete must be structurally sound. Protect the cleaned and repaired substrate from contamination prior to the application of the primer.

On extremely absorbent concrete subfloors, two coats of T1000™ Primer may be necessary to fill pinholes in the subfloor which may cause air bubbles to form in the surface of the topping. When two coats are to be used, dilute the first application 1:1 with clean potable water, mix well and apply as outlined below. After the initial coat has dried to tack free, apply the second coat at full strength.

6. Application: Do not apply T1000™ Primer if the substrate is damp or frozen. Do not apply when the air or substrate temperature is below 45°F (7°C) or above 90°F (32.2°C). Do not apply if primed surface will be exposed to freezing temperatures soon after application.

Shake or mix well before use. Using a short-nap roller or a long handled brush, evenly and thinly apply the primer, thoroughly working it into the substrate. Do not allow the primer to accumulate in joints, depressions or puddle, or over apply with one coat. Allow T1000™ Primer to dry 1-3 hours to a clear, tack free film before application of the second coat. High humidity, cool temperature, and non-absorptive surfaces may extend the dry time. If possible, apply the second coat perpendicular to the first application. Avoid puddling or excessive application.

Once the primer is dry, it must be protected from moisture prior to the application of T1000™ Stampable Overlay or T1000™ Fine Overlay. If the surface becomes wet, the primer must be reapplied. Protect the primed surface from dirt or contamination. Also, protect the primed surface from contamination with liquid or powdered release agents. T1000™ Stampable Overlay or T1000™ Fine Overlay must be applied within 24 hours after application of T1000™ Primer. After 24 hours, cleaning the surface and reapplication of the primer may be required before installing the overlay. Clean all mixing and application equipment with soap and water. Do not wash equipment over the primed surface.

7. Quality Control: Cast a job site sample at least 21 days prior to the installation for approval of color and finish. Utilize all materials, tools, and techniques from the actual job in the mock-up. Consistent batching, pouring, finishing, curing, sealing, and preparation techniques, will ensure the uniformity of architectural concrete. Verify adequate wet and dry slip resistance. Verify maintenance requirements. Site visits by Butterfield Color, Inc. Personnel are for making technical recommendations only and not for supervising or providing quality control.

WARNING: MAY CAUSE EYE, SKIN, AND RESPIRATORY IRRITATION. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.** WEAR AN ORGANIC RESPIRATOR, EYE PROTECTION, AND CLOTHING DURING APPLICATION. ENSURE ADEQUATE VENTILATION DURING AND AFTER APPLICATION. IN CASE OF SPILLAGE, ABSORB AND DISPOSE OF MATERIAL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BEFORE USE, READ THE MATERIAL SAFETY DATA SHEET (MSDS). ALL INFORMATION IS AVAILABLE FOR DOWNLOAD ONLINE AT WWW.BUTTERFIELDCOLOR.COM AND AT POINT OF PURCHASE.

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