

Perma-Cast® Clear Liquid Release

Technical Data Sheet CLR-01

FOR PROFESSIONAL USE ONLY. Read all applicable and current product information for your project: Technical Data Sheet (TDS), Color Chart, Installation Guide, Safety Data Sheet (SDS). All information is available for download online at www.butterfieldcolor.com or at 800-282-3388.

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 or at 800-282-3388.

1. Description: Perma-Cast® Clear Liquid Release is a bond breaker used with stamping mats, texturing skins or texture rollers prior to imprinting concrete or cementitious overlays. It prevents the stamping or texturing tool from sticking to the surface, enhances the transfer of the detailed pattern and texture, and prolongs the surface life of the stamping mat or texturing tool. Use on integrally colored or uncolored concrete, shake-on color hardeners, and stampable cementitious overlays. It is suitable for outdoor and indoor use. It is particularly useful with overlays, since it will not contaminate the existing concrete substrate as readily as powdered releases. It evaporates quickly and requires little to no clean up prior to applying solvent based curing and sealing compounds such as Clear Guard® Cure and Seal, or prior to chemical staining with Perma-Cast® Sierra Stain™.

2. Packaging: Perma-Cast® Clear Liquid Release is available in 5 gal. (19 L) pails. Pails should be stored in a cool, dry place when not in use. Store away from combustible materials and sources of heat. Do not reuse empty container.

2.1 SHELF LIFE: Indefinite, when stored in original, unopened containers, in dry storage.

3. Coverage: A 5 gal. pail covers approximately 750 sq. ft. (1 1/3.7 m²) of concrete surface. Apply full strength. Do not dilute. Coverage will vary depending on timing, surface finish prior to stamping, application method, air temperature, humidity and wind conditions. Conditioning of the stamping tools with the liquid release prior to stamping will also affect the amount of material used.

4. Application Equipment: A clean, quality hand-pump sprayer equipped with a fan pattern spray nozzle should be used to apply Perma-Cast® Clear Liquid Release. Material should be applied to the surface of the concrete and to the pattern and texturing tools.

Spraying equipment must be resistant to solvent-based materials.

5. Application: Apply Perma-Cast® Clear Liquid Release after all finishing is completed and prior to imprinting the surface. Do not attempt to float, trowel, or otherwise work the surface once the liquid release is applied. Do not apply over a large area, as the liquid release may evaporate prior to the imprinting process. Do not apply if bleed water is visible on the concrete surface. Material should also be applied to the imprinting tools.

Apply liberally. Perma-Cast® Clear Liquid Release evaporates and it must be reapplied to the concrete surface and tools during the imprinting process. Do not attempt to imprint the surface without liquid release visible on the concrete or imprinting tool surface. After complete evaporation, the concrete surface will lose its wet sheen and appear dull. At this time, the surface may be cured or sealed with Clear Guard® Cure and Seal, or chemically stained with Perma-Cast® Sierra Stain™ in accordance with the Technical Data Sheets for those products. All information is available for download online at www.butterfieldcolor.com or at 800-282-3388.

6. 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.

KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR PROFESSIONAL USE ONLY.
 For further information and advice

regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, in U.S. call CHEMTREC at 1-800-424-9300, International 703-741-5970, in Canada call CANUTEC (collect) 613-996-6666.

Prior to use of any Butterfield Color, Inc. product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Safety Data Sheet which are available online at www.butterfieldcolor.com or at 800-282-3388. Nothing contained in any Butterfield Color, Inc. materials relieves the user of the obligation to read and follow the warnings and instruction for each Butterfield Color, Inc. product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use.

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