

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, Material Safety Data Sheet (MSDS).

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1. Description: MARSHALLTOWN 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™. MARSHALLTOWN Clear Liquid Release may be tinted with Perma-Cast® Antiquing Release to create mottled color variations on a textured surface. VOC content is less than 450 g/L (3.74 lb./gal.).

2. Packaging: MARSHALLTOWN 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 L/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 MARSHALLTOWN 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 MARSHALLTOWN 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. MARSHALLTOWN 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.

5.1 ANTIQUING AFTER STAMPING OR TEXTURING: If a mottled or antiqued color is desired on the imprinted surface, mix 1/4 cup of Perma-Cast® Antiquing Release powder with one gallon of MARSHALLTOWN Clear Liquid Release in a pump sprayer. Mix the combined materials thoroughly. Keep the mixture well agitated during the application to prevent settling. Do not walk on the antiqued surface while wet. This method is best utilized after the surface has already been patterned or textured using MARSHALLTOWN Clear Liquid Release.

5.2 ON INTEGRALLY COLORED CONCRETE OR SHAKE-ON COLOR HARDENER: After the imprinting process is complete using MARSHALLTOWN Clear Liquid Release, and the surface is firm enough to walk on without leaving foot prints, the mixture of liquid and powder releases can be applied to the concrete. Using a hand pump sprayer, apply liberally to the surface. The tinted release will randomly flow and concentrate in the imprinted areas of the concrete, creating a mottled or antiqued look, similar to the natural variations found in stone, brick, or cobbles. While spraying, if it is determined that too much tinted release has been applied in a given spot or area, it can be lightened by dabbing or rubbing with a clean cloth.

Once the tinted release has evaporated completely (no wet sheen is visible), cure and seal the concrete. The initial application of the curing and sealing compound must be done with a sprayer. Application by roller will remove the antiquing color. Once the initial light coat of curing and sealing compound has dried, locking in the antiquing color, spray or roll additional coats of sealer as needed.

5.3 ON CEMENTITIOUS OVERLAYS: After completing the imprinting process using MARSHALLTOWN Clear Liquid Release and once it has evaporated completely (no wet sheen is visible), the surface should be

sealed. Once the sealer is completely dry, the mixture of liquid and powder releases can be applied. The sealer will prevent the surface from excessively absorbing the tinted release. Dabbing or rubbing with a clean cloth can be done to remove excess antiquing. Once the tinted release has evaporated completely (no wet sheen is visible), seal the concrete. The initial application of the sealer must be done with a sprayer. Application by roller will remove the antiquing color. Once the initial light coat of the sealer has dried, locking in the antiquing color, spray or roll additional coats of sealer as needed.

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.

WARNING: COMBUSTIBLE LIQUID AND VAPOR. 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 PROTECTIVE 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 MATERIAL SAFETY DATA SHEET.

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