



Product Information

www.miller-stephenson.com

ReleaSys™ CR-W Concrete Release Agent

Description:

Miller-Stephenson has developed a high-performance concrete release agent specifically designed for release of complex, challenging concrete mold designs. Our product minimizes/eliminates "bug-holes", provides high surface quality, consistent color pigmentation, and accurate replication of natural stone patterns. Most importantly, ReleaSys™ CR-W achieves all of this in a highly efficient and cost-effective system. Benefits Include:

- Extended service life of flexible molds
- Ideal for complex molds
- Seals microporosity and freshly repaired molds
- Minimization / Elimination of "Bug-Holes"
- Optimal pigment transfer and color appearance
- Ideal high-slag and difficult concrete substrates
- Rapid evaporation and cure time

Recommended Application Procedure:

1. Clean mold surface thoroughly. Mechanical cleaning such as bead media blasting, followed by chemical cleaning, provides the best surface for application. Removal of all previous mold release agent and contamination is critical.
2. ReleaSys™ CR-W can be applied by any spray equipment that can produce fine atomization and deposit a uniform, thin film. Apply light coats, approximately 8-10 inches from the surface. Surface wiping can be done as well, no additional polishing is required.
3. ReleaSys™ CR-W is a concentrated product. It can be used as is for release of complex molds or high-slag concrete mixes, or diluted to a final working concentration. Dilution should be performed with high purity or DI water.
4. Allow ReleaSys™ CR-W to dry completely, Multiple light coats can be applied, and will increase durability and protection. Typically, 1-3 coats are sufficient.

Note: Dry times are dependent on air temperature and humidity. Dry times can be accelerated with the application of medium to low air movement across the coated mold surface.

5. Not allowing ReleaSys™ CR-W to dry completely will greatly affect performance.

6. Overapplication will increase surface defects. Be sure to optimized coating process to apply only the necessary amount of mold release to release the part.

Reapplication:

1. When release becomes hesitant, immediately clean mold and reapply one coat of ReleaSys™ CR-W in the same manner as described previously. Spot touch-ups can also be done on known high wear or geometrically strained areas.

Physical Properties:

Primary Polymer:.....Proprietary Polymer
Appearance:.....White Emulsion
Odor:.....None
Specific Gravity:.....1.0 g/mL @ 25°C
Flash Point:.....None

Storage and Handling:

ReleaSys™ CR-W should be stored in a well-ventilated area which is cool and dry. Do not expose to freezing temperatures. Prior to use, container should be lightly agitated.

ReleaSys™ CR-W should not be used at temperatures above 350 °C or near open flames. Chemical breakdown will occur which will result in the generation of toxic fumes. When spraying, avoid inhalation of mist and exposure to skin. Always wash hands after handling.

Shelf-Life

ReleaSys™ CR-W has a shelf life of 12 months from the date of shipment.

ReleaSys™ Product Line:

Miller-Stephenson offers a selection of high performance, semi-permanent release system to meet your mold process needs. All variants of the ReleaSys™ Series will deliver higher productivity, lower rejection rates, and higher quality products.

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Safety Data Sheet (SDS) is available upon request.