Chem-Coat Colloidal HD-2000™

Nano-Technology

All Formulations are Developed and Manufactured exclusively by Chem-Coat Industries, Inc.

Chem-Coat Colloidal HD-2000™ product increases the strength and durability of concrete. Chem-Coat Colloidal HD-2000™ Densifies and Hardens concrete in the concretes Nano-Structure Levels. The colloidal design reacts with the calcium hydroxide to increase the concretes properties.

PRODUCT DESCRIPTION

CHEM-COAT COLLOIDAL HD-2000 is a scientific formulation of Colloidal interactive based solution with fortified with Poly-Silicates resulting in state of the art performance. CHEM-COAT COLLOIDAL HD-2000 Treatment is a unique and proven formulation that works within the molecule level of the concrete - thus increasing the structural protection. CHEM-COAT COLLOIDAL HD-2000 is ideal for hardening concrete surfaces; and for Architectural Concrete where a low luster finish is desired, along with superior performance as compared with other industry standard products. CHEM-COAT COLLOIDAL HD-2000 has proven to be more effective than Sodium and Potassium Silicate blends. CHEM-COAT COLLOIDAL HD-2000 is used for Time of Placement, Polished Concrete and Densifing and Hardening Concrete

BENEFITS

• One Component • V.O.C. Compliant • Non-Yellowing
• U.V. Resistant • Long Lasting • Easy Maintenance
• Proven Quality • Easy to Apply • Helps Prevent Dusting
• Never Needs Reapplication after Initial Installation

SUBSTRATES

Concrete: New & Old; Most Masonry Surfaces Architectural Concrete; Warehouse/Manufacturing Facilities; Arenas; Vertical Concrete Surfaces, Columns, Monumental Concrete

Primary Applications

- Interior or exterior concrete
- Warehouses/Distribution center floors
- Manufacturing Facilities
- Schools, Hospitals, Sports Arenas
- Residential and Commercial Floors

Technical Information

Drying Time	20 min to 1 hour
VOC Content	0 g/l
Total Solids	18%
pH	9
Freeze Point	32°F
Shelf Life	1 year
Coverage	500 – 600 sq. ft. / gal

Application / Directions

Chem-Coat Colloidal HD-2000™ Densifier can be used on Time of Placement (freshly poured “green” concrete) or existing/cured concrete.

Time of Placement

Use a low pressure sprayer to achieve a consistent, even application and to ensure consistent coverage on the surface. Re-apply as necessary to keep surface wet for 15 to 20 minutes. No neutralizing or rinsing is necessary.

Existing Concrete

Use a low pressure sprayer to apply Chem-Coat Colloidal HD-2000™ Densifier to form an even sheen across surface to ensure complete saturation of surface. Apply enough Chem-Coat Colloidal HD-2000™ Densifier to keep the surface wet for 15 to 20 minutes. Let surface dry 1 hour before heavy traffic.

Detailed Application and Care Guides are available upon request.

Packaging Unit Size

5 gallon, 55 gallon, 275 gallon units, Bulk Concentrate available

CONSTRUCTION AND CURING SUGGESTIONS

Chem-Coat Industries Inc., recommend that for proper construction and curing of concrete floor and slabs – construction methods should follow the guidelines as set forth by ACI (American Concrete Institute) guide 302-1R-96 – Concrete Floor and Slab Construction.

WARRANTY

LIMITED WARRANTY: Chem-Coat Industries Inc. warrants that, at the time and place we make shipment, our material will be of good quality and will conform to our published specifications in force on the date of the acceptance of the order. DISCLAIMER: The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. Chem-Coat Industries Inc. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As Chem-Coat Industries Inc. has no control over the use to which others may put its products, it is recommended that the products be tested to determine if suitable for a specific application and/or information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine suitability of products for specific application and assume all responsibilities in connection therewith. Such as caution slippery floor signs, rubber safety boots and all other appropriate safety measures. Keep all of the public and all other trades off the floor until work is completed. The area being worked on should be roped off to stop any traffic going across it.

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