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VOCOMP®-20

Water-Based, Acrylic, Concrete Curing and Sealing Compound

DESCRIPTION

VOCOMP-20 water-based acrylic curing and sealing compound is formulated using special acrylic polymers in a true water-based carrier. Once properly applied, VOCOMP-20 provides a durable film for efficient moisture retention. VOCOMP-20 appears milky white in the container and, when first applied, leaves a bluish cast on the concrete for easy visual confirmation of coverage. VOCOMP-20 dries clear to provide a transparent sheen finish. The sheen can be controlled by the number of coats applied. VOCOMP-20 resists yellowing from ultraviolet exposure and provides a durable, long-lasting finish that offers improved resistance to chemicals, petroleum, and abrasives.

VOCOMP-20 will minimize hair-checking, premature cracking, dusting, and spalling. However, good concrete and good concreting practices should be used, as VOCOMP-20 is not a cure-all for improperly mixed or placed concrete.

USES

VOCOMP-20 water-based acrylic curing and sealing compound may be quickly and easily applied to simultaneously cure and/or seal new interior or exterior as well as vertical or horizontal concrete surfaces. It is ideal for application on commercial and industrial floors, sidewalks, basement and garage floors, multi-level parking decks, patios, driveways, and parking areas. VOCOMP-20 dries very quickly to protect and enhance the natural appearance of concrete.

FEATURES/BENEFITS

- Permeable film allows moisture in cured concrete to evaporate
- Ready-to-use, non-yellowing, water-based compound that cures and/or seals concrete in one quick and easy application.
- Minimizes hair-checking, premature cracking, dusting, and spalling.
- Dries quickly on new concrete to a durable, clear sheen finish that protects and enhances the natural appearance of concrete.

- Ideal for application on interior, exterior, horizontal, and vertical concrete surfaces.
- Resists adhesion of mortar droppings to protect concrete floors during construction ... allows easier cleanup.
- Tough, durable finish offers improved resistance to chemicals, petroleum, and abrasives.
- Application tools may be cleaned with soap and water.
- VOC compliant ... VOC content is <50 g/L.

PACKAGING

- 1 Gallon (3.79 Liter) Units (4 per case)
- 5 Gallon (18.93 Liter) Pails
- 55 Gallon (208.20 Liter) Drums

COVERAGE/APPLICATION RATE

Use	ft. ² /gal.	m ² /L
Curing freshly placed concrete*	200	5.0
Sealing existing concrete	300-400	7.5-10.0

Note: Coverage may vary, depending on surface finish and porosity of concrete.

*A second application is recommended to meet ASTM C 309 and AASHTO M 148 water-retention specifications.

SHELF LIFE

When stored indoors and in original, unopened containers at temperatures between 40 - 90° F (4 - 32° C), shelf life is a minimum of two years from date of manufacture.

SPECIFICATIONS

- ASTM C 309, Type 1, Class B
- AASHTO M 148, Type 1, Class B
- Complies with all current federal, state, and local maximum allowable VOC requirements, including U.S. EPA, SCAQMD, and OTC
- Meets SCAQMD Rule 1113 - contains <100 g/L (VOC <100)
- Canada VOC Concentration Limits for Architectural Coatings Regulations
- Dried film is USDA accepted.

Meets Class A requirements of the ultraviolet light degradation/yellowing classification of ASTM C 1315, Section 6.4.1

CONTINUED ON REVERSE SIDE...

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APPLICATION

Surface Preparation ... Old Concrete: Surface preparation is extremely important. Concrete must always be clean and dry, with all stains, oil, grease, dust, and dirt removed prior to application. If not, they will be amplified by the transparent sheen finish. CAUTION: If a liquid compound other than VOCOMP-20, VOCOMP-25, or VOCOMP-30 has been used, do not apply VOCOMP-20 until all traces of the compound have been completely removed and the surface is clean and dry. **New Concrete:** Apply VOCOMP-20 when the surface water has disappeared and the concrete surface will not be marred by walking workmen.

Mixing ... For optimum performance, gentle mixing or agitation is recommended. CAUTION: TO AVOID FOAMING, DO NOT MIX EXCESSIVELY.

Application Method ... An industrial sprayer that produces a flow of 1/10th gallon (0.38 L) per minute under 40 psi (0.276 MPa) of pressure (or equivalent) is recommended. VOCOMP-20 should be sprayed on in a fine, fog pattern, without spurts and dribbles, to form a thin, continuous film. AVOID PUDDLING in low areas. If puddles occur, brush or roll them out. VOCOMP-20 can also be applied using a lint-free roller or lambs wool applicator. Care should be taken to maintain a wet-edge during application to prevent roller marks in the dried film.

For added protection and a greater sheen on the concrete, an additional coat of VOCOMP-20, VOCOMP-25, or VOCOMP-30 may be applied after the first coat of VOCOMP-20 has thoroughly dried.

Drying Time ... VOCOMP-20 dries quickly. Drying times may be extended, depending on application rate, temperature, humidity, and project conditions. Restrict foot traffic for at least four hours. Twelve hours is preferable.

Cleanup ... While VOCOMP-20 is still wet, equipment may be easily cleaned up with soap and water. Once dried, the material may be removed with a solvent, such as xylene or toluene.



LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, 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 W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our 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 the suitability of products for specific application and assume all responsibilities in connection therewith.

PRECAUTIONS

KEEP FROM FREEZING. Do not apply VOCOMP-20 when air, material and/or surface temperatures are expected to fall below 40° F (4° C) within four hours of completed application. Do not mix or dilute with any other products or liquids. VOCOMP-20 may be applied to colored concrete, but mottling may occur. Do not use on brick, stone, dense, or other non-porous surfaces. Concrete floors properly cured with VOCOMP-20 meet section 8.9 “Adhesion of Tile Cements” of ASTM C 1315. For other specifications, secure the approval of the paint or resilient flooring manufacturer before applying VOCOMP-20. The specifier and user shall determine the suitability and assume all responsibilities in connection therewith.

HEALTH AND SAFETY

Direct contact may cause mild to moderate irritation. Inhalation may cause irritation of the respiratory tract. Refer to Material Safety Data Sheet for complete health and safety information.

LEED INFORMATION

May help contribute to LEED credits:

- IEQ Credit 4.2: Low-Emitting Material – Paints and Coatings
- IEQ Credit 4.3: Low-Emitting Materials – Flooring Systems
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

For most recent data sheet, further LEED information, and MSDS, visit www.wrmeadows.com.

