



MasterFormat: 03 39 23

APRIL 2024

(Supersedes September 2021)

2200-WHITE Series

Poly-Alphamethylstyrene Concrete Curing Compound

DESCRIPTION

The 2200-WHITE series includes 2245-, 2250- and 2255-WHITE. These ready-to-use concrete curing compounds are high solids, white-pigmented, and poly-alphamethylstyrene-based. These formulations were developed for various departments of transportation as premium-grade concrete curing compounds. The 2200-WHITE series offers rainfall protection typically within four hours of application, developing sufficient hardness and film integrity.

USES

The 2200-WHITE series is white-pigmented to reflect the sun's rays. This maintains cooler concrete, which reduces the expansive and contractive stresses that cause cracking during the hydration process. When properly applied, each product in the 2200-WHITE series provides a tough, smooth, uniform film with excellent adhesion to the fresh concrete surface, producing high quality, durable concrete.

FEATURES/BENEFITS

- Offers protection from de-icing salts on new concrete.
- Ready for use and easily applied.
- Excellent moisture retention.
- Does not react with the ingredients in Portland cement concrete.
- Poly-alphamethylstyrene-resin-based.
- Furnishes a white-pigmented film, allowing for cooler concrete during the hydration process.
- Improved abrasion resistance of concrete surface.
- VOC-compliant.

PACKAGING

5 Gallon (18.9 L) Pails
55 Gallon (208.2 L) Drums
275 Gallon (1041 L) Totes

COVERAGE

Unless directed by application specifications, coverage is approximately 200 ft.²/gal. (4.91 m²/L). Coverage is approximate and may vary depending on surface finish/texture, concrete condition, climatic conditions, etc. Always apply to a test area first to determine actual coverage rate before full-scale application.

SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 40° - 90° F optimum performance and best use is obtained within two years of date of manufacture.

SPECIFICATIONS/STANDARDS

2245-WHITE, 2250-WHITE, 2255-WHITE
AASHTO M 148, Type 2, Class B
ASTM C309, Type 2, Class B
ASTM C1315, Type II, Class B
2245-WHITE: Utah DOT, Section 706-3A
2250-WHITE: CALTRANS, System 1
2255-WHITE: Minnesota DOT, 3754 AMS

*Complies with all current federal, state, and local maximum allowable VOC requirements, including National EPA VOC Emission Standard for Architectural Coatings, CARB, LADCO, OTC Phase I and II, and SCAQMD.

TECHNICAL DATA

	2245-WHITE	2250-WHITE	2255-WHITE
Color:	White	White	White
Reflectance, %:	68	68	70
Density, lb./gal. (g/cm ³):	8.6 (1.03)	8.7 (1.04)	8.6 (1.03)
Settlement, mL:	1	1	1
Water Retention, kg/m ² @ 24 hrs:	0.17	0.13	0.13
Water Retention, kg/m ² @ 72 hrs:	0.23	0.19	0.21
VOC Content, g/L:	319	290	214

Note: All data is typical.

CONTINUED ON REVERSE SIDE ...

W. R. MEADOWS, INC.

P.O. Box 338 • HAMPSHIRE, IL 60140-0338
Phone: 847/214-2100 • Fax: 847/683-4544
1-800-342-5976
www.wrmeadows.com • info@wrmeadows.com

HAMPSHIRE, IL / CARTERSVILLE, GA / YORK, PA
FORT WORTH, TX / BENICIA, CA / POMONA, CA
GOODYEAR, AZ / MILTON, ON / SHERWOOD PARK, AB

APPLICATION

Surface Preparation ... If the surface of the concrete is clean and free of foreign matter, no further preparation is required. If foreign matter, such as dirt and dust, has accumulated on the surface, it should be removed before applying the compound. If surface moisture has evaporated, as in the case of formed concrete, or the concrete is beginning to dry out, best curing is obtained if the concrete is wetted before application of a 2200-WHITE series product. NOTE: The concrete surface should be moist, but free of standing water. Once the concrete will accept walking workers without marring, the surface is ready for the application of any 2200-WHITE series product.

Mixing ... Any settling in the drums can be re-dispersed with gentle agitation prior to use. CAUTION: TO AVOID FOAMING, DO NOT MIX EXCESSIVELY.

Application Method ... Apply curing compound to the surface of the concrete with spray equipment, such as a Chapin 1949 with 0.5 GPM (1.9 LPM) spray nozzle, as soon as possible after the moisture has left the surface. Spray equipment should be capable of spraying a smooth, uniform coat.

Workers should not track across freshly poured concrete until after the concrete is coated with the curing compound and the film has dried thoroughly.

Drying Time ... The product dries in approximately one hour. Restrict foot traffic for at least four hours.

Cleanup ... Clean equipment promptly with mineral spirits or other suitable petroleum distillate.

PRECAUTIONS

Keep from freezing. Do not apply on interior surfaces. Do not apply when the temperature of the concrete is less than 40° F (4.4° C). DO NOT MIX WATER-BASED COMPOUNDS WITH ANY COMPOUND CONTAINING SOLVENT. SEPARATION WILL OCCUR.

In areas in the South Coast Air Quality Management District in California, the product is for use on roadways and bridges only. (Not for use on curbs and gutters, sidewalks, islands, driveways, and other miscellaneous concrete areas.)

For most current data sheet, sustainability information, and SDS, visit www.wrmeadows.com.

**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.