



MasterFormat: 07 19 00



RAIN-SHIELD STAIN OP WB

Waterborne Acrylic Siloxane-Based Stain

DESCRIPTION

RAIN-SHIELD STAIN OP WB is a waterborne, water repellent, penetrating stain, providing long-term protection against elements. It provides colour uniformity and corrects colour imperfections of the substrate to beautify and significantly extend life of structures.

USES

RAIN-SHIELD STAIN OP WB is a liquid, non-flammable protective stain for sound walls, bridge structures, median barriers, retaining walls, and tilt-up panels. It also provides architectural finishes for vertical walls, such as concrete, stucco, block, and brick.

FEATURES/BENEFITS

- Water-based
- Maintains surface texture
- Reduces water and chloride penetration
- Breathable
- Excellent adhesion
- Long-term colour stability
- Protects from carbonation
- Chemically resistant to atmospheric contamination
- Alkali and UV-resistant
- Mildew and fungus growth resistant
- Long-term durability
- Increases freeze-thaw resistance of substrates
- Reduces dirt and surface staining
- Minimizes efflorescence and migrating salts
- Mildew and fungus growth resistant
- Protects and extends life of structures
- Contributes to LEED points

PACKAGING

20 L (5.3 Gal) Pails

COVERAGE/YIELD

Substrate	Coverage Rate
Porous Concrete and Brick	3.7 - 4.9 m ² /L (150 - 200 ft. ² /gal.)
Dense Concrete	4.9 - 5.5 m ² /L (200 - 225 ft. ² /gal.)

The above figures are for estimation purposes only.

SHELF LIFE

Shelf life of unopened containers is one year. After opening the container, the material should be used within several weeks. Must NOT freeze.

TECHNICAL DATA

Weight	1.22 kg/L (10.18 lb.gal.)
Accelerated Weathering (ASTM G53-69) Fluorescent UV - Condensation Type, 2500 hours	Excellent colour retention and resistance to chalking
Permeance (ASTM E-96)	24.3 perms (1395 ng/Pa.s.m)
Freeze/Thaw Stability ASTM C672	Improves resistance to freeze/thaw scaling

APPLICATION

Surface Preparation ... Surface must be clean and free of dust, dirt, and other contaminants. The surface to be treated must be dry to allow good penetration of RAIN-SHIELD STAIN OP WB. All caulking, patching, and joint sealing must be installed prior to application of RAIN-SHIELD STAIN OP WB.

Mixing ... Mix thoroughly (approximately five minutes) before application. Do not thin.

Application Method ... Use airless spray equipment capable of delivering 6980 KPa (1000 psi) & 1.9 L (1/2 gal.) per minute. Heavier equipment can be used on larger projects. A self-cleaning reversible tip with orifice 0.330-0.425 mm (0.013" - 0.017") and minimum 40° fan angle is recommended. Roller or brush can also be used, but uniform application is essential for obtaining an even, blotch-free surface. Establish break lines conforming to surface design breaks where possible.

Curing ... RAIN-SHIELD STAIN OP WB is air-dry cured. It will be tack-free within ½ hour and fully cured within 3 - 5 days, depending upon temperature and relative humidity.

Cleanup ... Clean all spray equipment and hoses immediately after application with water. Dry material can be cleaned using polar solvents (e.g., acetone or other ketones).

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

LIMITATIONS/PRECAUTIONS

RAIN-SHIELD STAIN OP WB should not be used below-grade. The product will not stop water penetration through hairline cracks under wind-driven rain conditions exceeding in size 0.025 mm (0.001”).

No maintenance is required. RAIN-SHIELD STAIN OP WB is self-cleaning. The atmospheric dust collected on the surface can be easily cleaned with water and detergent. If repair is required, apply more of the same product. Resealing of the wall may be required after some time to provide continuing water protection.

HEALTH AND SAFETY

RAIN-SHIELD STAIN OP WB is non-toxic and non-flammable. Do not take internally. Keep out of reach of children. If contact with skin occurs, wash with soap and water. Harmful if digested. FOR INDUSTRIAL USE ONLY. Consult SDS for additional information.

For most recent data sheet, sustainability information, and SDS, visit www.gemite.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.