



NO. 303-C

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APRIL 2022
(Supersedes January 2022)

PENTREAT™ 244-40 W/B

Water-Based, Penetrating, Water Repellent, Silane Sealing Compound

DESCRIPTION

PENTREAT 244-40 W/B is a water-based, 40% active content silane penetrating sealer. PENTREAT 244-40 W/B is a hydrophobic, impregnating sealer that helps prevent chloride-induced corrosion of rebar, scaling, spalling, freeze-thaw damage, and other causes of debilitating concrete.

USES

PENTREAT 244-40 W/B is designed for use on horizontal, vertical, overhead, new, and existing concrete and masonry above-grade surfaces. Suitable applications include residential, commercial, industrial, and municipal projects. PENTREAT 244-40 W/B can be used on all types of concrete, including parking structures, stadiums, driveways, plazas, patios, walkways, median barriers, bridge decks and piers, ramps, traffic-barring concrete, marine structures, and loading docks.

FEATURES/BENEFITS

- High-performance, breathable, penetrating, superior water repellent sealer.
- Minimizes penetration of water and water-soluble salts that may damage concrete/masonry surface.
- Reduces spalling of concrete surfaces.
- Will extend the life of concrete and masonry structures.
- Penetrates the surface for maximum protection.
- Chemically bonds to the substrate, preventing liquid absorption while allowing excellent vapor transmission.
- Leaves no residue/Requires no cleaning after application.
- Formulation also available with red fugitive dye.

PACKAGING

5 Gallon (18.93 Liter) Pails
55 Gallon (208.20 Liter) Drums
275 Gallon (1041 Liters) Totes

COVERAGE

Coverage rate is approximately 125 - 250 ft.²/gal. (3.05 - 6.10 m²/L). Coverage is approximate and may vary depending on surface finish/texture, concrete porosity and 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 (4° - 32° C), optimum performance and best use is obtained within one year of date of manufacture.

SPECIFICATIONS/STANDARDS

- ASTM C642
- ASTM C672
- NCHRP Report 244 Series II
- NCHRP Report 244 Series IV, Southern Exposure
- Complies with CARB, Arizona Maricopa County, Colorado AIM, OTC Phase I and II, Utah Department of Air Quality, and U.S. EPA maximum allowable VOC regulations.

TECHNICAL DATA

VOC Content, g/L: <350 g/L

APPLICATION

Surface Preparation ... Surfaces must be structurally sound, clean, and dry with all stains, oil, grease, dust, dirt, efflorescence, and curing compounds removed prior to application. For optimum results, wait 28 days before applying PENTREAT 244-40 W/B to new concrete. PENTREAT 244-40 W/B can be applied as early as three days; however, lower penetration is expected.

Application Method ... Apply with a low-pressure airless sprayer, such as a Chapin 1949 with a 0.1 GPM (0.379 LPM) spray rate.

Horizontal Application ... Apply in a single pass. Completely saturate the surface and leave wet for 3 - 5 minutes. Then brush out or broom all pools and puddles of material from surface.

Vertical Application ... Apply two coats wet on wet. Do not allow the first coat to fully dry before applying the second.

CONTINUED ON REVERSE SIDE ...

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Test Application ... Always perform a small test application on each type of surface prior to full-scale application to determine exact coverage rate, suitability, and final appearance. Test using the recommended application instructions. Prior to inspection, allow three days minimum for PENTREAT 244-40 W/B to fully react after application.

Drying Time ... Product dries quickly. Drying times will vary depending on application rate, temperature, humidity, and project conditions. Restrict foot traffic for at least four hours at 68° F (20° C). Twelve hours is preferable. Drying time will be extended at lower temperatures and higher RH.

Cleanup ... Immediately clean tools, equipment, and overspray with soap and warm water.

PRECAUTIONS

Not recommended for below-grade applications or for use under hydrostatic pressure. Do not use as a waterproofing or vapor barrier. PENTREAT 244-40 W/B will not block vapor transmission through defective substrates, such as cracked or improperly repaired surfaces. PENTREAT 244-40 W/B should never be in contact with bituminous products. On vertical applications, protect window panes and window frames that will be painted from contact with PENTREAT 244-40 W/B.

Treated surface must be protected from rain for six hours minimum, but 12 hours is preferable. Do not over-apply. For optimum performance, the moisture content of the concrete must not exceed 4% at the time of application. The application temperature should be between 40 to 90° F (4.4° to 32.2° C). The surface temperature should be 5.5° F above the dew point.

Should it suddenly start to rain, stop treatment and cover impregnated areas. Do not over apply. Do not allow puddling or running to occur.

For most recent data sheet, further LEED 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

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