



DATA SHEET NO. 3474-000

PENTREAT™ 244-40 OTC **Water Repellant Penetrating Sealer**

DESCRIPTION

PENTREAT 244-40 OTC is a penetrating, 40% active silane sealer that inhibits water and chloride ion penetration in concrete and masonry structures. PENTREAT 244-40 OTC 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 OTC is designed for use on horizontal and vertical, new and existing concrete and masonry above-grade surfaces. Suitable applications include residential commercial, industrial, and municipal projects. PENTREAT 244-40 OTC can be used on all types of concrete, including parking structures, driveways, plazas, patios, walkways, median barriers, bridge decks and piers, ramps, traffic barring concrete, marine structures, vehicular repair and wash down facilities, and loading docks.

FEATURES/BENEFITS

- High-performance, breathable, penetrating, superior water repellent sealer.
- Provides an effective chloride screen.
- Keeps treated surfaces cleaner.
- Minimizes penetration from de-icing chemicals, salt, water, etc. that may damage concrete/masonry surface.
- Reduces spalling of new concrete surfaces.
- Will extend the life of concrete and masonry structures.
- Penetrates deeply for maximum protection.
- Seals pores and capillaries of substrate, preventing liquid absorption while allowing excellent vapor transmission.
- Leaves no residue/Requires no cleaning after application.

PACKAGING

18.9 Litre (5 Gal.) Pails
208.2 Litre (55 Gal.) Drums

COVERAGE

Unless otherwise directed by applicable specifications, the rate of coverage should be 2.45 - 3.68 m²/L (100 - 150 ft.²/gal.). Coverage rate will vary due to the porosity of the substrate.

SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 4° - 32° C, optimum performance and best use is obtained within two years of date of manufacture.

SPECIFICATIONS/STANDARDS

- Ministry of Transportation, Quebec

APPLICATION

Surface Preparation ... Surfaces must be structurally sound, clean, and free from dirt, efflorescence, and stains. For optimum results, wait 14 - 28 days before applying PENTREAT 244-40 OTC to new concrete. Concrete surface must be clean and dry with all stains, oil, grease, dust, dirt, and curing compounds removed prior to application.

Application Method ... Apply with a low-pressure airless sprayer, such as a Chapin 19069 with a 0.379 LPM (0.1 GPM) spray rate, allowing PENTREAT 244-40 OTC to flood the surface.

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

Continued over ...

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Test Application ... Always perform a test application on each type of surface prior to full-scale application to determine suitability and final appearance. Test using the recommended application instructions. Let area dry thoroughly before inspection.

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 20° C. Twelve hours is preferable.

PRECAUTIONS

FOR OUTSIDE/EXTERIOR APPLICATION ONLY. PENTREAT 244-40 OTC IS FLAMMABLE. KEEP AWAY FROM ALL OPEN FLAMES, SPARKS, IGNITION SOURCES, etc. Use with adequate ventilation and block all HVAC ventilation ducts which may spread product vapours - vapours are flammable and heavier than air. Do not use as a waterproofing or vapor barrier. PENTREAT 244-40 OTC will not block water transmission through defective substrates, such as cracked or improperly repaired surfaces.

Treated surface must be protected from rain for six hours minimum, but 24 hours is preferable. Do not over-apply. For optimum performance, the residual moisture must not exceed 4%. The surface temperature should be 3° C above the dew point. Should it suddenly start to rain, stop treatment and cover impregnated areas. Do not allow puddling or running to occur.

MASTERFORMAT NUMBER AND TITLE CLAUSE

07 19 16 - Silane Water Repellents

LEED INFORMATION

May help contribute to LEED credits:

- MRc9: Construction and Demolition Waste Management
- EQc2: Low-Emitting Materials [For Healthcare and Schools (exterior-applied products) ONLY]

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

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