



W. R. MEADOWS

SEALTIGHT

## DATA SHEET NO. 3470-000

### PENTREAT™ 244-100 Water Repellant Penetrating Sealer

#### DESCRIPTION

PENTREAT 244-100 is a reactive, penetrating, 100% active silane sealer that inhibits water and chloride ion penetration in concrete and masonry structures. PENTREAT 244-100 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 244-100 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 244-100 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, reactive, 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 vapour transmission.
- Leaves no residue/Requires no cleaning after application.

#### PACKAGING

18.9 Litre (5 Gal.) Pails  
208.2 Litre (55 Gal.) Drums  
908.5 Litre (240 Gal.) Totes

#### COVERAGE

Unless otherwise directed by applicable specifications, the rate of coverage can be up to 6.1 m<sup>2</sup>/L (250 ft.<sup>2</sup>/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.

#### STANDARDS

- Alberta Transportation B388 Type 1C
- Federal Specification SS-W-110C
- NCHRP 244 Series II
- NCHRP 244 Series IV
- AASHTO T259/T260
- ASTM E514
- ASTM C642
- ASTM C672
- OHD L-40

#### 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 244-100 to new concrete. Concrete surface must be clean and dry with all stains, oil, grease, dust, dirt, and curing compounds removed prior to application. ULTRITE® DEGREASER from W. R. MEADOWS is recommended for cleaning.

**Application Method ...** Apply with a low-pressure airless sprayer, such as a Chapin 19069 with a 0.1 GPM (0.379 LPM) spray rate, allowing PENTREAT 244-100 to flood the surface. A small test area is always recommended.

Continued over ...

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

**Drying Time** ... Product dries quickly; usually in one hour at 21.1° C. Drying times will vary depending on application rate, temperature, humidity, and project conditions.

#### **PRECAUTIONS**

**FOR OUTSIDE/EXTERIOR APPLICATION ONLY.** PENTREAT 244-100 IS COMBUSTIBLE. 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 BELOW-GRADE.

Treated surface must be protected from rain for six hours minimum, but 12 hours is preferable. Do not over-apply. For optimum performance, the residual moisture must not exceed 4%. The surface temperature should be between 4.4° - 35° F.

Should it suddenly start to rain, stop treatment and cover impregnated areas. Do not over apply. Do not allow puddling or running to occur. On vertical applications, protect window panes and frames that will be painted from contact with PENTREAT 244-100.

Always perform a small test area to ensure compatibility and performance prior to full application.

#### **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](http://www.wrmeadows.com).

2017-03-15



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**WARRANTY:** W. R. Meadows of Canada warrants that, at the time and place we make shipment, our materials will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM OF TRADE OR OTHERWISE. As the exclusive remedy for breach of this Warranty, we will replace defective materials, provided, however, that the buyer examine the materials when received and promptly notify us in writing of any defect before the materials are used or incorporated into a structure. Three (3) months after W. R. Meadows of Canada has shipped the materials, all our Warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates and no action for breach of any such duties may thereafter be commenced. W. R. Meadows of Canada shall in no event be liable for consequential damages. Unless otherwise agreed to in writing, no warranty is made with respect to materials not manufactured by W. R. Meadows of Canada. We cannot warrant or in any way guarantee any particular method of use or application or the performance of materials under any particular condition. Neither this Warranty nor our liability may be extended or amended by our salesmen, distributors or representatives, or by our distributor's representatives, or by any sales information or drawings.