



L&M

Construction Chemicals

PETROTEX™

DS-174.5-0415

A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

PETROTEX™

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PETROTEX is a ready to use, quick drying, multifunctional, water-based concrete protectant containing a new generation, invisible and low VOC emulsion of silane, siloxane and synthetic polymers.

PETROTEX effectively protects concrete pavements, natural or synthetic stone surfaces, and chemically hardened concrete to resist the penetration of water and oil. PETROTEX penetrates into the surface forming a long lasting oil and water repellent treatment that retards the penetration of these contaminants.

PETROTEX leaves no film and invisibly protects concrete and other surfaces from oil drippings and road salts. PETROTEX is compatible and recommended for use with chemically hardened concrete floors, especially exposed, commercial and industrial floors that have been treated with SEAL HARD™ and floors that have been ground and polished using the FGS PERMASHINE™ process. Floors treated with PETROTEX are easier to clean and keep clean.

Uses

PETROTEX treated concrete surfaces resist oil and water penetration. This product is recommended for use on a variety of surfaces, including commercial and industrial concrete floors, machine shops, car oil change facilities, vehicle repair facilities, bus terminals, concrete pavements and driveways, brick and concrete pavers, natural stone, and unglazed ceramic tile. This product is very effective on treated concrete floors treated with chemical hardeners and densifiers.

Advantages

- Develops oil and water repellency, resisting staining for improved aesthetics
- Reduce cracking, spalling, and freeze cycle issues

Suitable Substrates

- Existing Concrete
- New Concrete
- Brick
- Concrete Pavers
- Natural Stone
- Unglazed Tile

Packaging

1 Gal (3.8 L)
5 Gal (18.9 L)
55 Gal (208 L)

Approximate Coverage

Typical coverage rates, depending upon substrate porosity and anticipated conditions:

Porous and broomed surfaces: 200-300 ft²/gal (4.9-7.4m²/L)

Smooth, or medium troweled: 300-400 ft²/gal (7.4-9.8m²/L)

Densified, hard troweled, polished: 400-800 ft²/gal (9.8-19.6m²/L)

Additional coats may be necessary under certain porous conditions.

Shelf Life

PETROTEX has a shelf life of up to 12 months provided its stored in a tightly closed container and protected from sunlight, and stored at temperatures between 40°F (4°C) and 100°F (38°C).

Do not allow to freeze.

Limitations

- Not intended for below grade waterproofing.
- Not for use on surfaces previously treated with a water repellent.
- Requires up to 7 days after application to develop its maximum repellency.

Cautions

- Please refer to Safety Data Sheet (SDS) before using
- Applicators should wear rubber gloves and eye protection. Keep from freezing.
- PETROTEX™ is destroyed by freezing. If PETROTEX freezes, it cannot be thawed, mixed and reused.

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

4. TECHNICAL DATA

Physical and Working Properties

Property	Observed
Composition	Silane/siloxane/synthetic polymer
Color-White liquid	Dries invisible
Viscosity	Water-like
pH	7-8
Odor	Pleasant
VOC	<50 g/L

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

5. INSTALLATION

Surface Preparation: Surfaces should be clean from dust, dirt, oils, grease, curing compounds, other coatings, efflorescence and laitance before applying PETROTEX. The surface should be air dried and absorbent. If strong acidic or caustic cleaning agents are used, neutralize the surface and completely wash to remove any residue. Before using any surface preparation method a test patch should be performed, with the customers' approval of the result. Some preparation methods may change the surface texture profile.

New Concrete: New concrete should be allowed to cure for at least 21 days before applying PETROTEX. In addition, any repair work should be performed at least 3 days before PETROTEX is applied. Remove all film forming sealers or curing compounds before treating.

Application: Agitate thoroughly before use. A test patch should be performed prior to general application to ensure that desired water and oil repellency and appearance are achieved on surfaces. Because the surface might become discolored, it is advisable to test the product on an inconspicuous area. PETROTEX can be applied by brush or low pressure spray. Apply with a uniform saturation. Surfaces should remain wet a few minutes. Broom out puddles. Water and oil repellency starts to develop within 24 hours and is complete within one week. Beading generally improves over time. One liberal application of PETROTEX will provide effective protection on most surfaces from penetration of oil and water. For porous surfaces, or surfaces that are

expected to receive a high level of oil contamination, a second coat is recommended to be applied within 4 hours of the first application. Always broom out all puddles until product is completely absorbed. When used with chemical hardeners or densifiers, apply anytime after densifier has dried. Clean all treated surfaces with suitable non-acid cleaner as soon as they have been exposed to oil, grease or paint. Surfaces that are mechanically cleaned may need reapplication of PETROTEX.

Clean Up: Thoroughly rinse application equipment with clean water

6. AVAILABILITY AND COST

Availability

L&M™ and LATICRETE® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at www.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

8. MAINTENANCE

Non-finish LATICRETE and LATAPOXY® installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 402.453.6600

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty

DS 174.6: SEAL HARD®