

PETROTEX™

Oil and Water Repellent for Concrete, Masonry and Stone Surfaces

MANUFACTURER

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PRODUCT DESCRIPTION

PETROTEX is a ready to use, quick drying, multifunctional, water-based concrete protectant containing a new generation, invisible, and VOC compliant emulsion of silane, siloxane and synthetic polymers. **PETROTEX** effectively protects concrete pavements, natural or synthetic stone surfaces, 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. This product is compatible and recommended for use with chemically hardened concrete floors, especially exposed, commercial and industrial floors that have been treated with L&M SEAL HARD and floors that have been ground and polished using L&M's FGS PermaShine process. Floors treated with **PETROTEX** are easier to clean and keep clean.

Basic Use: **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.

FEATURES & BENEFITS

- *Develops oil and water repellency, resisting staining for improved aesthetics.*
- *Provides improved water repellency to reduce cracking, spalling and freeze/thaw damage.*
- *Ready to use low-odor formula for easy application.*
- *Compatible with chemically hardened floors: especially, L&M Seal Hard, Lion Hard and FGS PermaShine.*
- *Formulated to minimize darkening effects.*
- *Water, oil and dirt repellent treatment of low-porosity natural stone, e.g. marble, taverine and granite.*

ESTIMATING

PETROTEX is packaged in ready-to-use 1 gal. (3.8 liter), 5 gal. (18.9 liter) pails. Containers are identified with product name and batch code.

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

Porous and broomed surfaces:	200-300 sq ft./gal (5-7.5m ² /L)
Smooth, or medium troweled:	300-400 sq ft./gal (7.5-10m ² /L)
Densified, hard troweled, polished:	400-800 sq ft./gal (10-20m ² /L)

Additional coats may be necessary under certain porous conditions.

TECHNICAL DATA

PETROTEX physical properties:

Composition.....	Silane/siloxane/synthetic polymer
Color	White liquid, dries invisible
Flash Point, °F (°C)....	>212°F (100°C)
Viscosity	Water-like
pH	7-8
Odor	Pleasant
VOC, grams/liter	<50

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. **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.

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. 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 with **PETROTEX**.

Clean Up:
Thoroughly rinse application equipment with clean water.

FOR BEST RESULTS:

PETROTEX is a penetrating oil and water repellent, it is not a coating. Treated and protected surfaces will absorb oil or water when exposed for an extended period of time. Clean up spills as soon as possible to minimize potential staining.

- Not intended for below grade waterproofing.
- Over-application of **PETROTEX** may cause a slight darkening of the surface.
- **PETROTEX** requires up to 7 days after application to develop its maximum repellency. May not be effective on surfaces previously treated with a water repellent.

Fully treated surfaces resist further treatment. On pavements and commercial floors, treated surfaces may resist adherence of paints and coatings.

Protect glass, plastic products, shrubbery and plant life from over spray. Do not apply if air or substrate temperature is below 40°F (4°C) or above 100°F (40°C). Avoid application if rainfall is expected within four hours, or if rain has preceded the application in the past 24 hours. Avoid application in high winds.

PRECAUTIONS

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.

Please refer to the material safety data sheet (MSDS) for more detailed information.

STORAGE/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 (40°C).

WEBSITE

L&M's convenient internet website offers instant access to Tech Data Sheets, Material Safety Data Sheets, product updates, and other useful information. Visit www.lmcc.com and follow the easy steps. L&M is ready to respond to your concrete information needs - anytime - anywhere!

LIMITED WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to L&M Construction Chemicals ("L&M") quality control standards. All recommendations, statements and technical data herein 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, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond L&M's control. User shall rely on his or her 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 his or her direct use, indirect use or consequential to their use of the product. L&M shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. L&M's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

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