



Concrete and Stone Protector

Application Information

NEW

Long-lasting protection for concrete, stone and other porous surfaces.



3M™ Concrete and Stone Protector is a penetrating, water-soluble product designed to help prevent oil and water based stains on interior and exterior porous surfaces such as concrete, tile, brick, stone and unglazed tile. It can be used in a wide variety of applications, including driveways, sidewalks, garage floors, swimming pool surrounds and more.

This advanced aqueous polymer solution makes cleanup easier, by helping to prevent stains from setting. And it helps reduce the accumulation of dust, so floors can be swept easily and less frequently. The product stands up well to mechanical stresses, such as foot and vehicular traffic.

Although no protective treatment can guarantee to eliminate every stain, 3M Concrete and Stone Protector offers protection against the most commonly-encountered types of stains. 3M recommends that soils and spills be cleaned while still fresh, and not be allowed to dry or be scuffed across a wider area. If left standing too long, even on a surface treated with 3M Concrete and Stone Protector, certain liquids and soils may leave some discoloration after cleaning.



Competitive Staining Studies on Smooth Concrete (24 hours)

| Product Tested | None (Control) | Competitive Product 1 | Competitive Product 2 | Competitive Product 3 | 3M™ Concrete and Stone Protector |
|--------------------------|-----------------------|--------------------------|-----------------------|---------------------------|----------------------------------|
| Appearance after coating | N/A | Minimal | Very dark & tacky | Dark | Practically invisible |
| Used motor oil | Spreading black stain | Yellow stain | Brown stain | Dark yellow stain | Slight yellowing |
| Transmission fluid | Spreading stain | Slight brown discoloring | Gray stain | Spread wetting gray stain | None |
| Corn oil | Spreading stain | Tan discoloration | Gray stain | None | None |
| 20% salt water solution | Penetrating | No penetration | No penetration | Minor brown stain | No penetration |
| Cola | Penetrating & stain | None | None | No penetration | None |
| Anti-freeze | Penetrating | Tan discoloration | Light gray stain | None | Slight tan |
| Red wine | Penetrating | Minor brown stain | Dark gray stain | Dark gray stain | Minor brown stain |

Summary of results compiled by an independent testing laboratory. All treatments were applied in one coat, and the treated concrete was allowed to dry for 24 hours before applying staining media. The stain media were allowed to rest undisturbed for 24 hours. Cleaning was performed after 24 hours, using a flow of clean water and a mild cloth.

Not Treated



Transmission fluid rapidly penetrates untreated concrete, causing an unsightly and difficult-to-remove stain.



Stone & marble surfaces

On stone and marble surfaces without a sealed barrier coating, 3M Concrete and Stone Protector offers an economical way to protect against unsightly stains.

Mexican Saltillo



Not Treated

Treated with
3M Concrete and
Stone Protector

Polished Granite



Not Treated

Treated with
3M Concrete and
Stone Protector

A breakthrough in stain protection science

Treated with 3M™ Concrete and Stone Protector



Concrete treated with 3M Concrete and Stone Protector resists liquid penetration, helping to prevent stain formation.

3M™ Concrete and Stone Protector penetrates into porous materials, creating a long-lasting barrier that “locks-out” oils, water and soil. This barrier forces liquids to bead up on the surface, allowing them to be picked up more easily, and preventing them from causing a stain.

3M Concrete and Stone Protector keeps your “great outdoors” looking great, helping prevent grease and other food stains on outdoor living areas such as patios and pool surrounds.

Because it repels both water and oil-based stains, 3M Concrete and Stone Protector is a practical, economical solution for keeping driveways, garage floors and maintenance areas looking their best.

3M Concrete and Stone Protector does not create a glossy barrier coating that can be slippery and can yellow with age. Other types of treatments, such as silicone-based impregnators, do not create a barrier but do not protect against oily stains. With 3M Concrete and Stone Protector, you get invisible, non-slippery, long-lasting oil and water stain resistance that helps keep surfaces looking their best.



Application

3M recommends that surfaces be swept and cleaned prior to treatment. The surface can still be slightly damp when applying the material. Application should not be made when it is raining or very windy.

A 3% to 8% (weight percent actives) solution can be applied by brushing, rolling or spraying. Highly porous substrates such as rough concrete may require two coats. Apply the second coat when the first coat looks dry (30 to 60 minutes). With careful application procedures, a single coat using 6% to 8% active material should also be effective. The suggested coverage rate for highly porous material is 200-500 sq. ft./gallon; for less porous material, the suggested coverage rate is 400-1000 sq. ft./gallon. Allow the surface to dry thoroughly (1-2 hrs depending on temperature and air flow) before driving or walking on it.

For best protection against stains, it is recommended that the surface be re-treated periodically. For example, it is recommended that residential driveways be re-treated annually; however, the amount of time between treatments will depend on traffic, amount of soiling, the number of cleanings and environmental conditions.



3M Resources

3M™ Concrete and Stone Protector is supported by global sales, technical and customer service resources, with fully-staffed technical service laboratories in the U.S., Europe, Japan, Latin America and Southeast Asia. Users benefit from 3M's broad technology base and continuing attention to product development, performance, safety and environmental issues.

For additional technical information on 3M Concrete and Stone Protector in the United States, call 3M Performance Materials Division: **800-541-6752**.

For other 3M global offices, and information on additional 3M products, visit our web site at:

**[www.3m.com/
paintsandcoatings](http://www.3m.com/paintsandcoatings)**

Safety & Handling

Neither 3M nor the Food and Drug Administration has evaluated or reviewed this 3M product for food contact or food surface applications. 3M does not recommend or endorse the use of this 3M product for such applications.

For additional product safety and handling information, please read the product label and Material Safety Data Sheet before using product.

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