DuPont™ Zonyl® 9671

PENETRATING SEALER FOR POROUS SURFACES

Description

Zonyl® 9671 is a water-borne fluorochemical solution that provides a durable, non-film forming, transparent, protective barrier against oil and water on porous surfaces such as stone, tile, and grout. The product is used in water-based penetrating sealers for stone, unglazed tile, grout, terra cotta, and other porous surfaces such as concrete and brick. Zonyl® 9671 provides excellent oil and water repellency, stain resistance, and easy stain cleanup. Zonyl® 9671 is registered on both the U.S. TSCA and European EINECS inventories.

Features and Benefits

Because Zonyl® 9671 . . .	*It Can . . .*
Is a fluorochemical, instead of a silicone/wax product	• provide a protective barrier that repels both water AND oil and allows easy removal of these soils.
Requires no resin binder system	• provide transparent vapor-permeable protection with no effect on appearance.
Chemically bonds to the surface	• provide durable protection.

Frequently Asked Questions	*Answers*
What is the appropriate application level?	Zonyl® 9671 is diluted to 15–40% working strength with water. The optimum level should be determined for each application.
Is Zonyl® 9671 compatible with other materials?	Zonyl® 9671 is anionic and is usually compatible with other materials in a blended system. We recommend that blended systems be checked for in-can stability.
Is the protection provided by a waterborne solution comparable to a solvent-based product?	Testing demonstrates that waterborne Zonyl® fluorinated products penetrate into the surface and provide the best stain protection available.
Will the surface become slippery?	Porous surfaces have no appreciable difference in coefficient of friction (both wet and dry) after treatment.
How should the product be applied?	Low-pressure garden-type sprayer or saturated brush, roller, or mop application can be used. Thoroughly wet the surface being treated with diluted Zonyl® 9671, and remove excess water after 1–2 min. A second coat is recommended to ensure complete coverage.
Is dilution with water all that is required?	Yes; however, we recommend adding a biocide such as Proxel® GXL (from Arch Chemicals) to diluted Zonyl® 9671 for extended in-can prevention.

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Performance Comparison

Treatment	Oil Repellency	Water Repellency	Stain Resistance
Zonyl® 9671	Excellent	Excellent	Excellent
Silicone	Poor	Excellent	Good
Untreated	None	None	Very poor

Typical Properties*

Solids	7.5% weight
Density at 25°C (77°F)	1.03 g/mL, 8.6 lb/gal
pH	7–9
Flash Point	46°C (114°F) (Pensky Martens Closed Cup)
Stability	Minimum one year under normal conditions. Perishable if frozen.
Solvent	Isopropanol (5%) and water

*Not for specification purposes

Personal Safety, First Aid, Storage and Handling

See the Material Safety Data Sheet (MSDS) for product-specific information. Mix well before using.

Technical Assistance

For help in selecting or evaluating these products for your application, please call DuPont's technical service experts at 866-828-7009.

Order Information for Product, Literature or Samples

To place an order for DuPont™ Zonyl® 9671, call DuPont Performance Chemicals Customer Service toll free at 1-800-441-9140. For additional literature or a product sample, call 866-828-7009. For locations outside the United States, contact the local DuPont representative in your country.

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K-09700 (6/05) Printed in the U.S.A.

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