

DuPont™ Zonyl® 9582

Penetrating Sealer for Porous Surfaces

Description

Zonyl® 9582 is a waterborne fluorochemical solution that provides a durable, subsurface, 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® 9582 provides oil and water repellency, stain resistance, and easy stain cleanup.

Features and Benefits

Because Zonyl® 9582 . . .

Is a fluorochemical, instead of a silicone/wax product

Requires no resin binder system

Chemically bonds to the surface

It Can . . .

- provide a protective barrier that repels both water AND oil and allows easy removal of these soils
- provide transparent vapor-permeable protection with no effect on appearance
- provide durable protection

Questions and Answers

Frequently Asked Questions

What is the appropriate dilution strength?

Is Zonyl® 9582 compatible with other materials?

Is the protection provided by a waterborne solution comparable to a solvent-based product?

Will the surface become slippery?

How should the product be applied?

Is dilution with water all that is required?

Suggested Answers

Zonyl® 9582 is diluted to 7–11% working strength with water. The optimum level should be determined for each application.

Zonyl® 9582 is anionic and is usually compatible with other materials in a blended system. We recommend that the blended systems be checked for in-can stability.

Testing demonstrates that waterborne Zonyl® fluorinated products penetrate into the surface and provide the best stain protection available.

Porous surfaces have no appreciable difference in coefficient of friction (both wet and dry) after treatment.

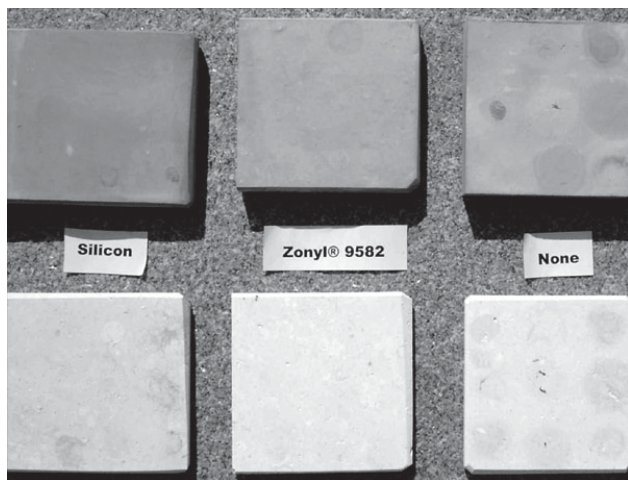
Low-pressure garden-type sprayer or saturated brush, roller, or mop application can be used. Thoroughly wet the surface being treated with diluted Zonyl® 9582, and remove excess water after 1–2 min. A second coat is recommended to ensure complete coverage.

Yes; however, we recommend adding a biocide such as Proxel® GXL (from Avecia) to diluted Zonyl® 9582 for extended in-can prevention.

Physical Characteristics

Please refer to product specifications data sheet for guaranteed commercial specifications.

Solids, %	18.5
Solvent	Water
Density at 25°C (77°F)	1.10 g/mL, 9.20 lb/gal
pH	7.5–8.5
Flash point	Nonflammable
Stability	Minimum 2 yr under normal conditions. Protect from freezing. Bring to room temperature, and stir before using.



Performance

Zonyl® 9582 (diluted to 9.5% product in water) and a leading solvent-based silicone sealer were each applied to saltillo (Mexican Clay) tile and limestone and allowed to dry for three days. Italian dressing, corn oil, ketchup, mustard, grape juice, and hot coffee were then placed on the treated substrates. After 24 hr, the stones were washed with a mild detergent and allowed to dry.

Personal Safety, First Aid, and Storage and Handling

See the Material Safety Data Sheet (MSDS) for product specific information. This product should be protected from freezing. Prior to use, stir the container contents to ensure uniformity.

Ordering Information—Literature, Samples or Product

For placing orders, please use our convenient 24-hr, toll-free number, (800) 441-9140. For additional literature or a product sample, call (866) 828-7009. If you prefer, you can write to us at the address below or visit our website at www.dupont.com/zonyl. For locations outside the United States, contact the local DuPont representative in your country.

U.S. Sales and Services

For placing orders or requesting additional product information, please use our convenient 24-hour, toll-free telephone number. If you prefer, you can write to us.

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