

DuPont™ Zonyl® 225

Penetrating Sealer for Low Porosity Surfaces

Description

Zonyl® 225 is a solvent-based acrylic fluorinated copolymer that provides a durable, subsurface, transparent, protective barrier against oil and water on porous surfaces such as stone, tile, and grout.

Zonyl® 225 is used in solvent-based penetrating sealers for stone, unglazed tile, grout, terra cotta, and other porous surfaces such as concrete and brick. Zonyl® 225 provides oil and water repellency, stain resistance, and easy stain cleanup.

Features and Benefits

Because Zonyl® 225 . . .

Is a fluorinated additive, instead of a silicone/wax product

Requires no 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

Possible Objections

What is the appropriate application level?

Will the surface become slippery?

How should the product be applied?

Which solvents should I use?

Suggested Answers

Zonyl® 225 is used in diluted solutions containing 1.5–2.5% active ingredient (6–10% commercial product). The optimum level should be determined for each application.

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

Low-pressure deck sprayer, saturated brush, roller, or mop application can be used. Do not aerosolize.

Zonyl® 225 is soluble in hydrocarbon (heptane, white spirit, isoparaffins), esters, ketones, hydrocarbon/alcohol mixtures (i.e., heptane/isopropyl alcohol) maximum alcohol: 80%

Physical Characteristics

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

Appearance	Translucent
Solids, %	25
Solvent	75% Butylacetate
Density at 20°C (68°F)	0.97
Flash point (closed cup), °C (°F)	26 (79)
Boiling point, °C (°F)	120 (248)
Freezing point, °C (°F), reversible	-18 (-0.4)
Stability	Minimum six months under normal conditions. Store in original closed drums at temperatures of 0–40°C (32–104°F).

Performance

Zonyl® 225 (diluted to 6% product in heptane) and a leading solvent-based silicone sealer were each applied to saltillo (Mexican Clay tile), limestone, granite, marble, and sanded grout and allowed to dry overnight. Corn oil, Italian salad dressing, hot bacon grease, water, ketchup, mustard, cola, grape juice, and hot coffee were then placed on the treated

substrates. After 24 hr, the stones were washed with a mild detergent solution and allowed to dry. The observations in the table below show that Zonyl® 225 exhibits superior performance.

Personal Safety, First Aid, and Storage and Handling

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

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.

Performance Comparison

Treatment	Oil Repellency	Water Repellency	Stain Resistance
Zonyl® 225	Very good	Very good	Excellent
Silicone (solvent-based)	Poor	Good	Good
Untreated	None	None	Very poor

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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