

# DuPont™ Zonyl® 210

## PENETRATING SEALER FOR POROUS SURFACES

### Description

Zonyl® 210 is a solvent-based acrylic fluorinated copolymer that provides a durable, subsurface, transparent, protective barrier against oil and water on low porosity surfaces. The product is

used in solvent-based penetrating sealers for granite, marble and unglazed tile. Zonyl® 210 provides oil and water repellency, stain resistance, and easy stain cleanup.

### Features and Benefits

#### **Because Zonyl® 210 . . .**

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

#### **Frequently Asked Questions**

What is the appropriate application level?

Will the surface become slippery?

How should the product be applied?

Which solvents should I use?

#### **Answers**

Zonyl® 210 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.

Saturated brush, roller, or mop application can be used. Do not aerosolize.

Zonyl® 210 is soluble in hydrocarbon (heptane, white spirit, isoparaffins), esters (butyacetate, isopropylacetate), ketones (methylethylketone, methylisobutylketone), alcohol/hydrocarbon mixture (80/20).



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## Typical Properties\*

Appearance	Amber, slightly turbid liquid
Solids, %	25
Solvent, %	75 Isopar H
Density at 20°C (68°F)	0.85
Flash Point (closed cup), °C (°F)	57 (135)
Boiling Point, °C (°F)	173 (343)
Freezing Point, °C (°F)	-2 (28.4) reversible
Stability	Minimum six months under normal conditions. Freeze thaw stable. Bring to room temperature and stir before using. Store in original closed drums at temperatures of -40°C (32-104°F).

\*Please refer to the product specifications data sheet for guaranteed commercial specifications.

## Performance

Zonyl® 210 (diluted to 6% product in heptane) and a leading solvent-based silicone sealer were each applied to granite, marble and unglazed tile and allowed to dry overnight. Corn oil, Italian 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 below show that Zonyl® 210 exhibits superior performance.

Treatment	Oil Repellency	Water Repellency	Stain Resistance
Zonyl® 210	Very Good	Very Good	Very Good
Silicone (solvent-based)	Poor	Good	Good
Untreated	None	None	Very Poor

## Personal Safety, First Aid, and 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 applications, please call DuPont's technical service experts at 866-828-7009.

## Ordering Information—Product, Literature, or Samples

To place an order for DuPont Zonyl® 210, call DuPont Performance Chemicals Customer Service toll free 800-441-9140. For additional literature or a product sample, please call 866-828-7009. For locations outside the United States, contact the local DuPont representative in your country.

## DuPont Chemical Solutions Enterprise

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