

Zelan™ CA-72

Durable Water Repellent

Technical Information

Description

Zelan® CA-72 is a durable water repellent treatment for fabrics, textiles, nonwovens, and a variety of hard surfaces and substrates. It is manufactured with renewably sourced, non-fluorinated, plant-based material that can be replenished naturally over time.

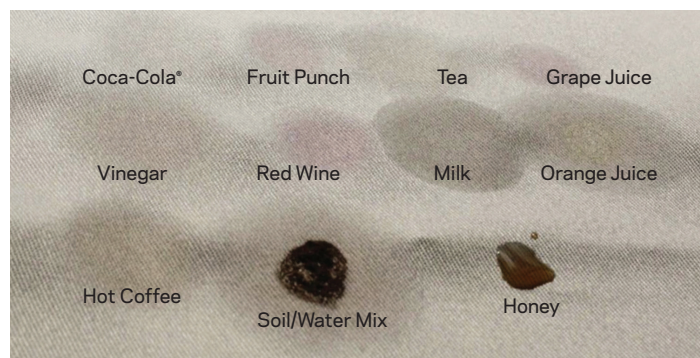
Applications and Formulating Information

Zelan® CA-72 should be diluted to 5-15% working strength with water. The optimum level should be determined for each application. Soft water (<50 ppm hardness) is recommended for dilution. If blended, maintain pH >7.

Zelan® CA-72 may be used in industrial, professional, and consumer applications and can be applied using a brush, mop, roller, or paint pad.

A biocide should be added to formulations made using Zelan® CA-72 to protect against microbial growth. For dense substrates, optimum performance can be achieved with the addition of 2-5 wt% of one or more polar protic solvents, such as isopropyl alcohol or Dowanol® PnB glycol ether.

Untreated Cotton



Cotton Treated with Zelan® CA-72



Product Characteristics

Ionic Type	Non-ionic/slightly anionic
Appearance	Off-white to white, cloudy liquid
Chemical Structure	Alkyl urethane
Active Solids, wt%	19-21, in water
Density, g/mL	1.002
pH	8-10
Solubility	Readily dispersible in water between 10-35 °C (50-95 °F)
Shelf Life	2 years
Foam	Can foam with excessive shaking
Flash Point (closed cup)	Not flammable
Boiling Point, °C (°F)	~100 (~212)
Freezing Point, °C (°F)	~0 (~32)

Recommended storage temperature is 5-40 °C (41-104 °F). Keep containers tightly closed in a dry, cool, and well-ventilated place. Mix well before using. Best stored at 20 °C (68 °F). **Protect from freezing. Product is perishable if frozen.**

First Aid, Storage, and Handling

See Safety Data Sheet (SDS) for use and handling recommendations. Use the most current SDS for specific information. Review this information with all personnel handling this material.

For questions regarding technical data, commercialization, and sampling:

Chemours Fluoroproducts

Technical Inquiries

Asia Pacific	+8621.2057.6414
Europe	+41.22.719.1537
Latin America	+55.08.0011.0728
North America	+1.866.828.7009

Regional Technical Customer Service Center, Americas

The Chemours Company
Experimental Station
200 Powder Mill Road
Wilmington, DE 19803 USA
+1.866.828.7009

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