



TEXTILE SHIELD PRODUCT DATA SHEET

OVERVIEW

DryWired®: Textile Shield is a revolutionary non-toxic super-hydrophobic nanocoating that can be applied as a transparent spray or liquid dip to natural and synthetic textiles. Unlike other hydrophobic fluorocarbon based textile coatings, Textile Shield is breathable, bio-compatible, completely inert and food safe. In laboratory testing, Our Textile coating achieved 150 degree super-hydrophobic contact angles on natural and synthetic textiles. In addition, Textile Shield is resistant to harsh detergents and demonstrates excellent self-cleaning properties with continuous performance up to 30 washes. Textile Shield is only 100-150 nm in thickness (approximately 800 times thinner than a human hair).

USES:

- ▶ Cotton
- ▶ Suede
- ▶ Canvas
- ▶ Corduroy
- ▶ Flannel
- ▶ Wool
- ▶ Silk
- ▶ Linen
- ▶ Polyester

FEATURES

- ▶ Water-based
- ▶ Water-repelling
- ▶ Blocks stains
- ▶ Easy-to-clean effect
- ▶ Protection of fibers from the infiltration of dirt
- ▶ Odorless
- ▶ Invisible to the human eye
- ▶ Breathable
- ▶ Simple spray application (trigger sprayer included)
- ▶ Washing and cleaning agent resistance
- ▶ Lasts up to 30 washes
- ▶ Temperature resistant



APPLICATION AND STORAGE

Surface Preparation: Textile must be completely free of all contaminants including detergents and fabric softeners. To rid of contaminants, use hot water on a spin cycle. **Textile must be completely dry before coating.**

Application: Completely wet fabric by spray or dip application.

Dry/cure time: This coating completely adheres to the surface after 24 hours. The coating will only exhibit the hydrophobic property after this curing period.

Coverage: 30-400 mL/m² depending on the absorbency of the substrate.

Storage: 2 year unopened shelf life. (3°C to 30°C).

**PFOS & PFOA
FREE**

**AFIRM RSL
COMPLIANT**

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