



## 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/m<sup>2</sup> depending on the absorbency of the substrate.

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

**PFOS & PFOA  
FREE**

**AFIRM RSL  
COMPLIANT**

All statements, technical information and recommendations contained in this document are based upon tests or experience that DryWired believes are reliable. However, many factors beyond DryWired's control can affect the use and performance of a DryWired product in a particular application, including the conditions under which the product is stored or used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the DryWired product to determine whether it is fit for a particular purpose and suitable for the user's method of application. No warranty or condition, expressed or implied, is given regarding the accuracy of the statements, technical information or recommendations contained in this document. Except to the extent prohibited by law, DryWired will not be liable for any losses or damages arising in any way from the DryWired product including, without limitation, any direct, indirect, special, incidental or consequential damages, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.