

Comparison of Non-Fluorinated Coatings for Textiles and Nonwovens

	FibraLAST AG-1000	FibraLAST AG-1100	Silicone (PDMS)-based coatings	Urethane-type coatings	Parrafin-type coatings	Acrylate/wax-type coatings
Water repellency on Nonwovens	●	●	●	●	●	●
Oil repellency on Nonwovens	●	●	●	●	●	●
Water Repellency on Cotton	●	●	●	●	●	●
Oil repellency on Cotton	●	●	●	●	●	●
Water repellency on Synthetics	●	●	●	●	●	●
Oil repellency on Synthetics	●	●	●	●	●	●
Water repellency on Aramids	●	●	●	●	●	●
Oil repellency on Aramids	●	●	●	●	●	●
Resists isopropyl Alcohol	●	●	●	●	●	●
Oil-based stains bead up and wipe off easily	●	●	●	●	●	●
Dynamic Water repellency	●	●	●	●	●	●
Cleanability	●	●	●	●	●	●
Wash durability	●	●	●	●	●	●
Fabric remains breathable	●	●	●	●	●	●
Can be applied via dipping, spray-coating or padding	●	●	●	●	●	●

● Very Strong
 ● Good
 ● Medium
 ● Little

Relative strength when compared to other non-fluorinated coatings

There are several options for non-fluorinated coatings that provide some repellency for textiles. However, only FibraLAST coatings effectively repels both oil and water from both woven and nonwoven fabrics. In addition, FibraLast coatings:

- Can be applied via dipping, industrial spray-coating or padding.
- Are cationically stabilized polymer emulsions. Non-ionically stabilized polymers are also available.
- Resist oil-based stains while preserving the fabrics' breathability.
- Provide excellent resistance to isopropyl alcohol.

