

## How to Treat Spandex<sup>®</sup> & Blends with a Water Repellent

**Orco Repel WZ<sup>™</sup>** is used as a water repellent for Spandex<sup>®</sup> especially when used in combination with cellulose. It is a non-durable, economical wax emulsion water repellent containing a zirconium salt base, providing excellent water repellency on both synthetic and cellulose fibers and can be applied in a continuous pad/dry procedure.

- Fabrics to be treated should contain no residual surface active agents and have no pH higher than 7.0.
- Spandex<sup>®</sup> can begin to degrade in presence of temperatures over 235°F(112°C).
- Bath concentration for padding will vary depending on the fabric and weight but generally 6-10 % owb **Orco Repel WZ<sup>™</sup>** is adequate for most purposes.
- Water temperature should be in the area of 50-100°F(10-38°C) before adding the **Orco Repel WZ<sup>™</sup>**; higher temperatures sometimes cause insolubility.
- Treated fabrics should then be dried thoroughly at temperatures below 235°F(112°C) if possible.

Various finishes such as **Orco Non-Slip SS<sup>™</sup>** or **Orco Flex Finish<sup>™</sup>** may be applied in conjunction with the repellent although 10-15% owb more repellent may be required.