

How to Treat Cellulosics with a Water Repellent

A recommended water-repellent treatment for acrylic involves the application of **Orco Repel Z-L™** which is a non-durable, economical wax emulsion water repellent containing a zirconium salt base, providing excellent water repellency on both synthetic and cellulose fibers.

- Fabrics to be treated should contain no residual surface active agents and have no higher pH than 7.0.
- Bath concentration for padding will vary depending on the fabric and weight but generally 6-10% owb is adequate for most purposes.
- Water temperature should be in the area of 50-100°F(10-38°C) before adding the **Orco Repel Z-L™**. Higher temperatures sometimes cause insolubility.
- Treated fabrics should then be dried thoroughly at temperatures below 300°F(150°C) if possible.

Various finishes such as **Orco Non-Slip SS™** or **Orco Flex Finish 40™** may be applied in conjunction with the repellent although 10-15% owb more repellent may be required.