

## Orco Repel BA™

**Orco Repel BA™** is a wax emulsion water repellent containing an aluminum salt designed to render textile fabric surfaces resistant to wetting and penetration by aqueous liquids such as rain, perspiration, tea, or soft drinks. With this treatment the pores of the fabric remain open, allowing the passage of air and water vapor. Garments can be worn in comfort since perspiration will evaporate through the fabric.

### Physical Properties

<b>Appearance</b>	Creamy, white emulsion
<b>Activity</b>	23.2%
<b>Solubility</b>	Easily dispersed in water at temperatures between 130-170°F(54-76°C)
<b>Density</b>	7.1 lb/gallon
<b>pH</b>	4.0 - 5.0 in a 10% solution

### Applications

- Applicable to cottons, nylons, and paper
- Treatment applied by common techniques such as dip, kiss roll, spray, or exhaust

### Advantages

- No unusual mixing procedures required
- Hinders penetration of stains from inks, fruit juices or other liquids into fabric making stain removal easier
- Normal drying temperatures can be used
- No after-washing necessary

### Procedures

Fabrics to be treated must be free from all alkalis and surface active agents and have a pH value of 5.0 - 7.0. Bath concentrations of 8% to 10% **Orco Repel BA™** on weight of bath will give satisfactory results for most fabrics. This concentration is dependent on the type of fabric, its wet pick-up, and the degree of repellency required. For sheer goods, a lower concentration will be adequate while heavy ducks require higher-concentrated baths. If the concentration is too high, an undesirable scum may form on the bath. **Orco Repel BA™** is non-durable and must be renewed after laundering or dry cleaning.

Pre-heat the water at 130-170°F(54-76°C) and add the required amount of **Orco Repel BA™** with slow agitation. If lower application temperatures are required, make up the bath at 80° F (26°C) using hot water for uniform dispersion and then bulking to volume with cold water.

Maintain a constant level in the pad bath to insure uniform application of the repellent. The treated fabric must be thoroughly dried. Stainless steel and wooden tanks are satisfactory but galvanized tanks often precipitate the emulsion.

### Storage

Store **Orco Repel BA™** at 40-80°F(4-26°C). Lower temperatures will cause the product to become more viscous. Rewarming will restore its flow properties. To protect **Orco Repel BA™** from dehydration, replace lid after each use.