

## OrcoSoft NQ 320-S™

**OrcoSoft NQ 320-S™** is a unique cold-water dispersible cationic softener, lubricant, and anti-static agent and produces an unusually smooth, soft hand on synthetic fibers and cotton. Being a non-quaternary type softener, **OrcoSoft NQ 320-S™** offers less effluent problems than comparable type softeners.

### Physical Properties

<b>Appearance</b>	Off-white smooth paste
<b>Ionic Nature</b>	cationic
<b>Compatibility</b>	Compatible with cationic and non-ionic materials, finishing agents, and hard water
<b>Shelf Life)</b>	Excellent in closed containers

### Advantages

- Smooth paste with complete dispersion in cold water
- No need for pre-mixing or live steam
- A direct addition to the finish bath
- Softening without shade changes
- Complete solubility and exhaustion to minimize crocking
- Fiber lubrication and anti-static protection when added to dye baths

### Applications

**OrcoSoft NQ 320-S™** can be applied to all natural and synthetic fibers by exhaustion, pad, or spray methods.

### Procedures

**On acrylic, polyester, nylon, and blends** - use 1-2% **OrcoSoft NQ 320-S™** on weight of fabric(owf) in the final rinse at 70-90°F(21-32°C). Run for 5-10 minutes.

**On package work**, rinse away anionic detergents before applying the softener.

**In exhaustion onto synthetics**, more uniformity results at lower than at higher temperatures with the pH adjusted to 6.0 with acetic acid. As a result, treated fibers exhibit superior drying, picking, spinning and knitting properties.

**On cotton piece goods**, pad on a 1.5% dispersion of **OrcoSoft NQ 320-S™** for a soft hand. On cotton knit goods, apply 0.5-1.0% owf **OrcoSoft NQ 320-S™** in the washer or dye beck. Treat cotton hose with 0.5-1.0% owf **OrcoSoft NQ 320-S™** added directly to the wash-wheel after the final rinse.

**For a cashmere-like hand on woolen and worsted goods**, apply 1.0-3.0% owf **OrcoSoft NQ 320-S™** in fulling or in the final rinse.

**As a napping assistant**, 3.0-5.0% **OrcoSoft NQ 320-S™** on weight of bath can be padded onto the fabric or 1.0% owf may be run in the dyebath to impart a soft, high pile. Many **Orco Synthrowite** optical whiteners are compatible with **OrcoSoft NQ 320-S™** in the same bath.