

How to Atmospherically Dye Polyester Using **Orcocilacron™** Dyes

Atmospheric dyeing of polyester calls for low-to-medium energy **Orcocilacron™** disperse dyes with the addition of a carrier to further swell the fiber allowing increased penetration of the dye into the polyester fiber.

- Prepare and pre-scour goods.
- Enter goods in bath at 120°F(49°C) containing:
 - Acetic to a pH of 5.5 – 6.0
 - 2.0% **Orcoterge 35-C™** on weight of goods(owg)
 - 1.0 % owg **Orco Polylev B-400™**
 - 6.0% owg **Orco Dye Carrier LO™**(dye carrier and dye solution should be mixed into bath separately)
- Circulate for 10 minutes and add
 - X% owg **Orcocilacron™** dyes – use proper disperse dye preparation procedure
- Raise temperature to 205°F(96°C) and run for 50-120 minutes for maximum penetration.
- Cool back to 180°F(82°C) and rinse well at this temperature.
- Cool back to 120°F(49°C) while rinsing.
- After-scour(after-clear) with:
 - 2 – 4% owg **Orco Synclear P-D™** at a temperature of 140°F(60°C) and run for 15 -20 minutes.
 - Drop bath and rinse well.