

How to Dye Polyester/Cellulosic Blends with Disperse and Direct Dyes using a One-Bath/One-Step Jet or Package Dyeing Process

1. Prepare goods as necessary.
2. If the substrate being processed is rayon, do not exceed a pH of 9 as it will cause saponification of the fiber.
3. Prepare bath at 120° F(49°C) containing 1-2 % owf **Orcoterge 35-C™** and 1-2 % owf MonoSodium Phosphate(MSP) for a neutral pH.
4. Circulate bath for 15 minutes.
5. Add **Orcocilacron™** Disperse and **Orcolitefast™** Direct dye properly prepared.
6. It is recommended that high-energy disperse dyes are used in a procedure where temperatures attained are between 250-275°F(120-135°C).
7. Run for 10 minutes.
8. Add 20-30% owf Glauber's salt.
9. Run for 10 minutes.
10. Raise temperature slowly to 265°F(130°C at a rate of 2°F/minute).
11. Run for 30-45 minutes.
12. Cool to 180° F(82°C).
13. Run for 20 minutes.
14. Sample and adjust shade if necessary.
15. Rinse warm.
16. Rinse cold.
17. After-treat if necessary.