

How to Dye Polyester/Acrylic Blends with Orcocilacron™ and Orcozine™ Dyes using a One-Bath/Two-Step Process

The following is a general guideline to dyeing polyester/acrylic blends in a one-bath/two-step procedure using **Orcocilacron™** disperse dyes and **Orcozine™** basic dyes.

1. Prepare goods as necessary.
2. In a bath at 120°F(49°C) add:
 - X % owg **Orcocilacron™** Disperse dyes properly prepared.
 - 5-10 % owg **Orco Dye Carrier BD™** (depending on depth of shade)
3. Bring bath to 170°F(77°C) over 15 minutes and add:
 - 1.0 % owg **Orconol CHSA Conc™**
 - 0.25-0.50 % owg Sodium Acetate
 - 1.0-6.0 % owg **Orcozine Retarder P™ ***

<u>*Orcozine™ Dye Strength(% owg)</u>	<u>Amount of Retarder P™ (% owg)</u>
0.1	6.0
0.1-1.0	4.0
1.0-3.0	2.0
3.0-6.0	1.0

4. Adjust pH to 4-4.5 using acetic acid and run for 5 minutes.
5. Add **Orcozine™** dye solution, properly prepared and run for 10 minutes.
6. Bring to the boil over 45 minutes and run for 1-2 hours.
7. In a fresh scouring bath, add:
 - 1.0 % owg **Orconol CHSA Conc™**
 - 0.5 % owg Acetic Acid 5%

Procedure



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8. Run for 20 minutes at 180°F(83°C).
9. Cool back slowly and rinse.

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