

How to Dye Wool Using **Orcoacid™** Dyes

Orcoacid™ dyes find use in the piece dyeing of wool and worsted goods. Their inherent excellent leveling properties and wide shade selection make them especially suited to the men's and women's wear industry. These colors are generally applied from a strong acid (pH < 3.5) bath, denoted as Method I below. Some dyes, such as the Alizarine type, are better applied from a weak acid (pH 3.5 – 6.0) bath as denoted in Method II.

Prescour

Prescouring of the wool is necessary in order to remove any impurities in the goods otherwise an unlevel dyeing would result.

Run goods in bath containing 2.0% on weight of goods(owg) **Orconol CHSA Conc™** at 140°-160°F for 20 minutes.

Dyeing Method I – Strong Acid Bath

- Enter goods in bath at 120°F containing:
 - 4.0% owg Sulphuric Acid
 - 10.0 % owg Glauber's Salt
 - 2.0% owg **Orco Nylosol Leveler ACN™**
- Run for 10 minutes.
- Add X% **Orcoacid™** dyes
- Bring slowly to the boil and circulate for 1 hour.
- Cool, rinse, & dry.

Dyeing Method II – Weak Acid Bath

- Enter goods in bath at 120°F containing:
 - 3.0 - 4.0% owg Acetic Acid 56%
 - 10.0 % owg Glauber's Salt
 - 2.0% owg **Orco Nylosol Leveler ACN™**
- Run for 10 minutes.
- Add X% **Orcoacid™** dyes
- Bring slowly to the boil and circulate for 1 hour.
- Cool, rinse, & dry.