

Orco AntiMigrant™ ALG

Orco AntiMigrant™ ALG is an alginate type colloid for use in controlling migration on fiber reactive dyes in continuous systems and is very resistant to high alkalinity found in reactive dye processing.

Physical Properties

Appearance	Off-white tan powder
Mesh size	40
Solubility	Limited to mechanical agitation
Viscosity(cps)	60 @ 1% solution; 500 @ 2% solution
pH	6.5-7.5

Applications

Orco AntiMigrant™ ALG is a printing additive for fiber reactive dyes to improve definition and antimigrant for fiber reactive continuous dyeing.

Procedures

Stock solutions of **Orco AntiMigrant™ ALG** may be prepared prior to use in continuous dyeing of reactive dyes. Charge a clean tank with required volume of cold water and add following items in order listed:

- 0.4 % suitable preservative on weight of bath (this is necessary if the stock mix will be kept longer than two days, especially under warm humid conditions)
- 20 % Calgon (sodium hexametaphosphate) on weight of **Orco AntiMigrant™ ALG** used
- 1-5 % **Orco AntiMigrant™ ALG** on weight of bath

All of the above steps should be added slowly and with agitation to the side of the vortex. Continue mixing for 15-30 minutes until smooth. Material may be used at the rate of 4-12 oz/gal on weight of bath of the fiber reactive dye mix. In cases where a higher percentage of **Orco AntiMigrant™ ALG** is desired, the material should be dissolved carefully and directly to the fiber reactive bath.