

Orcomol FAW™

Orcomol FAW™ is a water-soluble polymeric dye-complexing agent with stability to hard water and acid and alkali concentrations. Additions of **Orcomol FAW™** in stripping procedures gives improved results. The bond of attraction between dyes and **Orcomol FAW™** is so strong that the dye has greater affinity for it than for cotton and other fibers. In stripping operations, once the cellulose/dye bond is broken, the dislodged dye is tightly bound to the **Orcomol FAW™** -- after a prolonged stripping treatment, the **Orcomol FAW™/dye** bond remains intact.

Physical Properties

Appearance	Pale yellow fluid
Odor	Mild
Ionic Charge	Weakly Cationic
Specific Gravity	1.05
pH	7.5-8.0 for a 1% solution

Applications

Dyeing - To lighten deep shades of direct-dyed cellulosic yarns or fabrics.

Textile Printing - To prevent tinting of white backgrounds during soaping.

Scouring - As a soil-suspending agent in detergent washing of cellulosic and protein fibers.

Brightener/Resin Finish Baths - To slow down the exhaust rate of brightener/resin baths containing metal-salt catalysts.

Fulling - Of wool plaids, checks, and tweeds to protect bright colors and prevent staining of whites or in preparations of rag stock for high grade papers.

Stripping - effective as a dye stripping agent for cotton and rayon materials dyed with vat, sulfur, or direct dyes in long liquors, package machines, or jigs.

Procedures

Fulling - The quantity of **Orcomol FAW™** in the fulling bath determines the degree of stripping. However, the concentration of **Orcomol FAW™** should not go beyond 1/2 oz/gal. If higher amounts are required in the fulling bath, the liquor ratio should be increased along with **Orcomol FAW™**. This way the amount of **Orcomol FAW™** available for stripping is increased without impairing the bath stability.