

## **Enzymes for textile processing**

Rossari Biotech India Pvt. Ltd. has introduced a full range of enzyme-based products for textiles – right from desizing (Rexsize) fading/biopolishing (Genecel, Valzyme, Rexzyme, Neutrox, G-Zyme, Soufe), print washing (Ultrox), wool/silk scouring (Silkenz, Greasenz) and bioscouring (Genesyn, Descour, Scourenz). These products are formulated mainly for eco-friendly processing of textiles without using hazardous chemicals. The desizing agents are synergistic blends of speciality chemicals and enzymes, which biodegrades sizes based on starch and natural gums. Fading and biopolishing products are cellulase-based enzymes that hydrolyse the surfaces of cellulose, giving it a high-contrast faded look.

The company has also developed multienzyme-based products for bioscouring of cellulose and their blends. These are synergy products with multiple properties that work effectively on pectins, proteins, waxes and (Xylo) glucans present in cellulose. The protease enzyme-based products developed by the company act as degumming agents for silk, maintaining the original strengths of the silk. The blend of protease enzymes remove natural wool impurities and has soil suspending and cleaning properties.

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