

Eco-Line of Chemistry For Textiles



The Seydel Companies, Inc. • 244 John B. Brooks Road, Pendergrass, Georgia, 30567 U.S.A. • www.seydel.com

The Seydel Companies is grounded on its commitment to protecting and preserving the environment. We develop products that allow our customers to reduce their environmental footprint while maximizing their revenue streams. Our comprehensive approach leverages over 100 years experience developing advanced, environmentally sound products designed to maximize efficiencies and minimize resource consumption.

Our Eco-Line of Chemistry for Textiles is gaining popularity with profit-driven manufacturers and environmentally conscious consumers around the world.

SIZING SYSTEMS:

Seyco Size EZ-R	A 100% organic replacement for polyvinyl alcohol in warp sizing blends. This product has excellent adhesion, consistent film forming characteristics and performs equally or better than polyvinyl alcohol based sizes. As an organic compound, it is desizes readily in cool water and decomposes easily.
Seyco Size MC-3CZ	A 100% organic based warp size that can be used by itself on hard to weave yarns. Seyco Size MC-3CZ has excellent adhesion and film forming characteristics to improve quality and reduce fabric defects. It desizes readily and decomposes easily. Seyco Size MC-3CZ gives the denim finisher more stable shrinkage and elongation control. It can be used by itself or in combination with other starch based sizes.
Seyco Lube Bond	A new generation binder and wax for sizing spun yarns and denim with only one product vs. polymeric binders or high melting point animal fats. Seyco Lube Bond has shown tremendous improvements in yarn quality by as much as 30-40%. It has a lower melting point than most waxes and binders (120°F vs. 140-160°F), saving water and energy. Seyco Lube Bond is also less expensive than traditional waxes and binders.
Seyco Size FQ-30 and PD-Q (Filament Sizes)	A warp size for filament polyester yarns available in a ready to use 30% version or a 100% concentrate made from recycled polyester (PET) containers and virgin, water soluble polyester. Seyco Size FQ-30 and PD-Q replace the traditional acrylic-based sizes that require harsh chemicals at a very high pH level. Typical use requires 30-50% less of these sizes than traditional acrylic sizes and the weaving and fabric quality is typically much better. The removal from the fabric requires very little chemicals and less water at much lower pH levels. Both of these products are designed for sizing yarns on high speed air jets.

Note: Unlike polyvinyl alcohol based sizes, both Seyco Size EZR and Seyco Size MC-3CZ contain 0% Methinol and 0% ash content.

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DENIM MANUFACTURING:

Seyco Wet Aid Conc	A concentrated, non phosphate, non phenol wetting and scouring agent to remove contaminants from denim yarns in the indigo dyeing process and give the dyer a more consistent base for better shade consistency. The product is stable to variation in water conditions.
Seyco Quest FES	A new generation, polymeric based sequestrant that can be used in very low percentages to tie up the calcium and magnesium salts and also tie up the iron, copper, and metals at a high pH. Seyco Quest FES replaces the need for EDTA and DPTA type sequestrants in one product.
Seyco Lube DP Conc	A new generation of lubricant that can reduce the surface tension of water, increase the dye add-on or achieve the same shade with less dye due to increased wet pick up at very low concentrations. Seyco Lube DP Conc can also increase the wet pick up of any warp size, finish or garment wet processing system to reduce water and time in processing.
Seyco Finish PSA	A 100% organic-based beaming aid for cable or rope indigo dyeing machines to reduce the friction fiber to fiber or fiber to metal at higher beaming efficiencies and at less cost than traditional polyethylene or cationic based products traditionally used. Seyco Finish PSA contains no phosphates or phenols and is easily decomposed.

DENIM FINISHING:

Seyco Finish ESA Base and ESA-LK	A 100% organic based, nonionic, specialty product designed to stabilize the shrinkage, elongation and eliminate wavy selvages on denim dyed fabrics. Seyco Finish ESA Base and ESA-LK give a smoother, flatter appearance to denim finished fabrics either mercerized or non-mercerized. It is easily removed at low temperatures with very little chemicals. Seyco Finish ESA Base and ESA-LK is available in a powdered concentrate or a ready to use version that requires no cooking in preparation.
Seyco Lube BAM Conc	A one piece, concentrated, nonionic, wetting agent and high density polyethylene lubricant to prevent needle cutting in sewing. Seyco Lube BAM Conc is also sanforizing lubricant to prevent fabric corrugation marks and an anti-sticking compound to prevent build up on machinery or fabric pick off. Seyco Lube BAM Conc reduces machinery down time and provides a cleaner, higher quality fabric using fewer chemicals.
Seyco Sperse SPW and SPW 802	An anti-redeposition product made from recycled polyester (PET) and water soluble polyester to prevent indigo dye staining on cotton/synthetic blends in finishing or on the pad steamer while processing a denim “flat finished “ fabric. Seyco Sperse SPW and SPW 802 are nonionic in nature and reduce the amount of chemicals and water in sub-sequential garment wet processing.

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DENIM GARMENT WET PROCESSING - DESIZE:

Seyco Desize 2K and 20K	A ready to use or concentrated alphamalase/surfactant designed to remove sizes very effectively from any denim garment. The system is based on natural re-generation chemistry from natural earth born bases. Seyco Desize 2K and 20K can be used in very low concentrations.
Seyco Lube BAM Concentrate	A concentrated non-ionic lubricant designed to lubricate the garments in desizing to eliminate any streaks at very low concentrations. Seyco Lube BAM Conc contains no phenols or phosphates.

DENIM GARMENT WET PROCESSING - ABRASION:

Seycozyme SLP	A very low temperature activated cellulase enzyme, designed to be very effective at very low water temperatures between 100 and 110°F. Seycozyme SLP reduces both water consumption and energy requirements.
Seycote ASP	A 100% powdered, anti-redeposition aid made from recycled polyester (PET) and virgin, water soluble polyester. Seycote ASP can be used in the wet processing to reduce dye staining on garments or on the pocketing/labels on any denim garment or as filler in formulated cellulose enzymes products.
Seycozyme LC4X	A 4x concentrated lacasse enzyme, designed to use in very low usages normally 0.10% - 0.25% maximum. Seycozyme LC-4X is composed of all natural, earth born components that are re-grown.
Seyco Antizone and Antizone Base 100	A very mild cationic based quaternary, amine based softener with UV inhibitors, available in a ready to use product or base. Seyco Antizone and Antizone Base 100 prevents yellowing and ozone fading on any garment or fabric with 2X the affinity than traditional cationic softeners. Operators can use 50% less of this softener to achieve the same hand as traditional softeners. It is also hydrophilic in nature so it can be used on fabrics to be printed or denim or as a general purpose softener.
Seyco Soft LM-5 and LM-5 Conc	A micro-emulsion, silicone in a concentrated or ready-to-use version designed to give a very soft hand to dyed shades. Seyco Soft LM-5 and LM-5 Conc can be used to achieve the same shade with 10-15% less dyes, especially on properly, neutralized sulfur shades, like black over dyed blacks or other dark shades dyed with any dyes. The product is nonionic in nature.

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MOISTURE MANAGEMENT AND QUICK DRY PRODUCTS:

Seycote DD-100 and DD 30-80 products	A hydrophilic, polyester based line of products made from recycled polyester (PET) with virgin, water soluble polyester. Seycote DD-100 and DD 30-80 products remove body moisture and wicking properties of 100% polyester or 100% cotton garments. This promotes less drying time to consumers, reducing energy consumption.
Seyco Fresh	A line of non-trilosan, or trilosan or silver based anti-microbials designed to prevent odors or micro-organisms from attacking the product or textile and causing un-pleasant odors. Seyco Fresh products are ready to use in very low concentrations.
Seyco Soft DTS and DTS Conc	A line of specialty designed silicone softeners that will not inhibit the wicking process of the anti-microbial system, the stain release, or the repellent finish on any textile fiber.

OTHER PRODUCTS FOR COATINGS:

Seyco Fin CCU	A concentrated, soft, self cross-linking polyurethane coating. Seyco Fin CCU can be applied by spray, pad or coated to give a special hand to denim or any other textile. It tremendously improves abrasion, while giving some shine, hand and special appearance.
Seyco Soft ABBA Conc	A unique micro emulsion silicone that can be used in conjunction with the CCU to give a special hand and effect to any textile or coating.

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