

A woman with blonde hair and blue eyes is smiling and holding a red apple. The background features several slices of orange and abstract, glowing white and yellow light patterns. The text "CONCENTRATED PRODUCT CATALOGUE" is overlaid in a dark blue, serif font.

**CONCENTRATED  
PRODUCT CATALOGUE**

## Pretreatment Auxiliaries

Product	Function
XL NOI-DTC/conc	It has excellent crypto anionic detergent, high wetting & dispersing power with effective carrying capacity for soil & fats. Is an efficient desizing agent & enables removal of all synthetic sizes.
XL Nol-JET-ECO	Is a low foaming high performance nonionic detergent designed for the preparation of cotton, synthetic & blended fabrics in machines of high liquor turbulence such as jet, soft-flow & package dyeing machines as well as continuous processing systems.
XL Nol-LRW/conc	A low foaming, solvent free, APEO free detergent and scouring agent with good wetting agent for scouring of cotton yarn knits, terry towels, fabrics and cotton blends
XL Nol-MRN	Nonionic wetting, washing and cleaning agent free from APEO, silicon and solvents for all types of fibres.
XL Nol-NIN Liq	Wetting and deaerating agent for pre treatment and dyeing of cellulosic fibres and their blends
XL Nol-OL/Conc	Anionic scouring agent, wetter & detergent with excellent oil & grease removing properties. Is an efficient desizing agent & enables removal of all synthetic sizes.
XL Nol-RW	Wetting agent and detergent with very good re-wetting action and extremely low foaming, for discontinuous pretreatment processes on cellulose and their blends with synthetics.
XL STAB -PFS	An economical organic peroxide stabilizer for hydrogen peroxide bleaching of cotton and cellulosic blends by batch and continuous process
XL Defoam-337	A non-silicone defoamer suitable for all textile processing operations
XL Defoam-JSA	Is a 100% active, specially formulated antifoam composition. This product has been developed to impart low-foaming characteristics to clear, high actives, scour surfactant concentrate formulations.
XL Nol-WAK	Moderate foaming wetting agent and detergent and bleach bath additives for batchwise pretreatment and continuous immersion processes. Suitable for application in jets.
XL Defoam-PWB/Conc	A silicone based defoamer stable to alkaline pH, high temperature and salt. Suitable for cotton pre-treatment and dyeing.
XL Denimax - GC	To give grey cast on denim like laccase Short process time. Less degradation of cotton results in less loss in tensile & tear strength

## Pretreatment Auxiliaries

Product	Function
XL LUB -C/Conc	A concentrated, economical lubricating and crease preventing agent for cotton, polyester and their blends. Readily dilutable
XL Lube-ACA	Effective dye bath non-polymeric lubricant for cellulose, polyester & their blends. Stable to high concentration of alkali and electrolyte Possesses emulsifying properties for residual oils, waxes Suitable for single-bath scour-dye process for 100% polyester
XL FIX -RD/Conc	Is a formaldehyde free dye-fixing agent for improving wet fastness of Reactive dyes & Direct dyes on Cellulosic fibres. Imparts excellent wash fastness of direct & reactive dyed fabrics to water, perspiration, wet ironing, sea - water & laundering.
XL Nol-PV/Conc	It is an excellent dye complexing agent aid where over dyed shades on yarn or piece goods have to be reduced in depth while still maintaining the general shade of the character of the original dyeing. Is an excellent back stain preventing agent for denims. It functions as a stripping agent for dyeings obtained with vat, sulphur, reactive and direct dyes. It is an excellent fulling and scouring agent for wool.
XL Nol-SWH/Conc	A low foaming wetting and deaerating agent for continuous as well as exhaust application particularly for dyeing of yarn packages
XL Soft-CP/Conc & XL Plex SAP	Is an efficient dispersant (protective colloid) and chelating agent for all stages in dyeing of textiles made from cellulose and blends.
XL Plex SBA	Single bath bleaching auxiliary
XL Nol EHC	Anionic, non-foaming wetting agent for continuous and discontinuous dyeing of cellulosic fibers and their blends with synthetic fibers
XL Soft-600	Is an organophosphonate with multifunctional properties like sequestration, deflocculation, threshold inhibition and hydrolytic stability, as a single active ingredient. Because of the combination of these properties It has a wide range of applications. One of the most important applications is in scale prevention and corrosion inhibition in water treatment.

## Dyeing Auxiliaries

Product	Function
XL Plex-LA/Conc	Liquid alkali for fibre reactive dyeing i.e. Soda ash replacement during reactive dyeing.
XL Plex-WPA	Is developed as a special fibre protective agent for Wool when dyeing PES/WO blends at temperatures up to max 120°C. It is based on complex polycarboxylates
XL Fix-HCF	Is a zero formaldehyde fixing agent for improving wet fastness of Reactive dyes & Direct dyes on Cellulosic fibres.
XL Fix-RN/Conc	It is a fixing agent for acid dyeing on nylon. Unlike ordinary tannic acid and tartar emetic fixing method, it enables one bath fixing and therefore fixing process and time can be shortened.
XL Fix-SK-70	Is a formaldehyde free economical dye-fixing agent for improving wet fastness of Reactive dyes & Direct dyes on Cellulosic fibres. Imparts excellent wash fastness of direct & reactive dyed fabrics to water, perspiration, wet ironing, sea -water & laundering.
XL Lev DIF	Levelling dispersing and migrating agent with diffusion accelerating effect for use in dyeing polyester with disperse dyes under HT conditions.
XL Retard-PAN	Retarder for dyeing acrylic fibers and blends.
XL Tec-AO/Conc	Auxiliary to improve the stability of reactive dye solutions when dyeing cellulosic fibers along with Levelling property.
XL Tec-DAN/Conc	It is a high performance, non-staining dispersing agent for the production of level dye shades on polyester with disperse dyes in high temperature exhaust dyeing systems.
XL Tec RLG	Reactive Levelling / dispersing agent
XL lev-DLP	Levelling and dispersing agent during disperse dyeing of Polyester
XL Lev-ST	Levelling agent for use is polyester fabrics rapid dyeing (also applicable in high temperature polyester fabrics dyeing. It exhibits excellent retarded foaming property and good dispersibility under strict conditions, such as low liquor ratio and deep colour dyeing in polyester fabrics rapid dyeing.
XL Finish-L/Conc	Dye bath lubricant crease inhibitor
XL Finish-LU/Conc	A concentrated anionic crease prevention agent for cotton, polyester and their blends processed in rope form. Can also be used for correction of batches as well as garment processing. Readily dilutable
XL Reducit-ECO/Conc	A concentrated reduction clearing agent in powder form, suitable for removing unfixed disperse dyes from dyeing and prints on polyester in acidic medium
XL Reducit-ZN	Is developed as a product for discharge printing on polyester, nylon and other synthetic fibre
XL Tec-MCH / NYL	Is developed as an Acid donor for dyeing of polyamide and wool with acid dyestuffs.



## Dyeing Auxiliaries

Product	Function
<b>XL Sperse OLG /conc</b>	<b>Oligomer remover cum machine cleaner</b>
<b>XL Sperse SW</b>	<b>Altrasperse- SW versatile anionic dye-dispersing agent. Desired for the application where very low amount of electrolyte is present.</b>
<b>XL Lev SLM</b>	<b>Excellent migration property to the dyes used and therefore eliminates uneven dyeing of polyester. It does not produce any adverse effect on the light fastness nor does it adversely affect the subsequent treatment. Covers barre' effect.</b>
<b>XL Lev FTSK</b>	<b>It is Leveling Agent with affinity for dyes for use in the dyeing of polyamide, wool &amp; silk. Levelling and brightening faulty dyeings. Leveling of structural differences in the fiber</b>
<b>XL Fix NCF/conc</b>	<b>Dyefix-NCF/conc is a chlorine fastness fixing agent for dyeing and printings on polyamide swimwear. Simultaneous improvement of the wet fastness properties</b>
<b>XL Car PEW</b>	<b>Low odour carrier for dyeing of polyester, polyester blends, cationic dye able PES and blends. Contains dispersants and leveling agents, therefore Dycar PEW is usually used without additional leveling agents or dispersants</b>
<b>XL Lev EC/ CB</b>	<b>Dylev-EC is a low foaming, eco friendly diffusion accelerant, leveler for dyeing of polyester &amp; its blends.</b>
<b>XL Lev SF</b>	<b>Leveling agent for the high-temperature dyeing of polyester fibres . It has a synchronizing action on the exhaustion of disperse dye combinations in the heating-up phase &amp; is therefore recommended as an auxiliary for HT rapid-dyeing processes</b>
<b>XL For EL</b>	<b>Modfor-EL is a dispersing and levelling agent for disperse dyes</b>
<b>XL Catalyst EC</b>	<b>Catalyst-EC is a eco-friendly crosslinking agent for pigment printing. It is particularly effective for prints taken on knitted, cellulosic fabrics, polyester /cotton, polyester/viscose and polyamides. Addition of Catalyst-EC to a pigment paste enhances its fastness properties especially wet rubbing fastness.</b>
<b>XL Catalyst PP ECO</b>	<b>Catalyst-PP-ECO is a eco-friendly crosslinking agent for pigment printing. It is particularly effective for prints taken on knitted, cellulosic fabrics, polyester / cotton, polyester / viscose and polyamides. Addition of Catalyst-PP-ECO to a pigment paste enhances its fastness properties especially wet rubbing fastness.</b>

### Flame Retardant

Product	Function
XL Gard CP-New	Durable flame retardant for 100% Cellulosic goods.
XL Gard-STU/Conc	Durable flame retardant for polyester fabrics

### Sewing Thread Lubricants/ Tear Strength Improver

Product	Function
XL last-GL/Conc	Thread lubricant
XL last-DSWS-70	Is a ready to use fully formulated polysiloxane based product designed for application as sewing thread lubricant by P.A. Winding or Godet method.
XL Finish HD-30	Nonionic high density Polyethylene Emulsion. It is tear strength & sewability improver for textile goods of all types of fibres
XL last-DC	Sylast-DC is a water free lubricant for application by cold lick roller or dosing pumps at a final winder.

### Denim Specialities

Product	Function
XL H2O sorb-OZ/Conc	Imparts an antiozonate finish on denims.
XL max-GC	To give grey cast on denim like laccase Short process time. Less degradation of cotton results in less loss in tensile & tear strength
XL Bac ABS	Antibackstain in powder form
XL Bac-DBSP/Conc	Highly Concentrated antibacksatin agent Exhibit superior anti-redeposition properties effective in preventing back staining during garment washing It mparts improve wicking and anti-static properties, which make polyester containing fabrics, feel softer, cooler and generally more comfortable
XL Ench-PN/Conc	Is developed for rapid removal of potassium permanganate residues from processed garments
XL Quat-BBA	Concentrated powder form bleach bath accelerator designed for catalyzing faster formation of active bleaching species resulting in enhanced productivity and optimizing the quantity of hypo chlorite required.
XL Fresh-MG	A powdered product used to produce unique bleach finishes. When use suitably it can achieve the following effect Cracked look/ Ice look / Bright white look / Black sky look

## Polyurethane

Product	Function
XL Finish-PU / Conc	Is a new generation textile finishing agent based on ether modified polyurethane. Its self dispersible nano-emulsion exhibits good compatibility with amino silicone emulsion and other nonionic and cationic finishing agents. It imparts a full soft and smooth feel along with excellent drape, resilience and body to treated fabrics. It also imparts durable water absorbency and wicking resulting in improved wearer comfort.
XL Finish-PUR-80	Formaldehyde free, self-crosslinking, permanent polyether polyurethane polymer. It forms a highly elastic film around the fibres. The basic handle is soft & high bulk.
XL Finish-RPU / Conc	Formaldehyde free, self-crosslinking, permanent polyether polyurethane polymer. It forms a highly elastic film around the fibres. The basic handle is soft & high bulk.
XL Fin-Nano PU/Conc	A nano-dispersion self-crosslinking polyether polyurethane for high-grade finishing applications.

## Soil Release/ Moisture Management Products

Product	Function
XL Est-AQ/Conc	Polymeric Hydro-phile. Increased wearer comfort, antistatic effect, lower soil re-deposition and stain removal. Applicable to 100% polyester as well as to blends of polyester with cellulose, silk or wool.
XL Est-MT/Conc	A concentrated hydrophilic polymer for use as a durable dye bath auxiliary or finishing agent which imparts soil release, wicking, softness and antistatic properties to polyester fabrics and poly blends. It is particularly effective on knit fabrics and has other benefits for both preparation and dyeing operations
XL Est-NY/conc	Polyamide resin. Fabric conditioner imparts durable soil release & anti-soil re-disposition properties to 100% polyamide & its blends under a variety of application conditions. Treated fabric exhibits excellent moisture transfer effect.

## Organic Softener

Product	Function
XL Finish-2091/Conc	Cationic softener. Carboxylic acid amide derivative. Gives excellent softness & surface smoothness to all type of fabric substrates. Non-yellowing
XL Finish-C-44/Conc	Pseudocationic softener suitable for all kind of fibres especially those made out of cellulose. Imparting a full, soft hand with high surface smoothness. Suitable for top-softening of yarn packages resulting in excellent winding-off properties.
XL Finish-CWS/Conc	Cold Water Soluble Cationic Softener Gives excellent softness & smoothness to all type of fabric substrates
XL Finish-N-200/Conc	Low foaming nonionic softener. Stable to hard water, as well as to concentrations of acids and alkalis normally present. It is compatible with all types of optical brightening agents, and with dyestuffs of all classes. Non-yellowing, even at high drying temperature.
XL Finish-NI/Conc	It is a nonionic, non-yellowing, scorch-resistant softener for application to cottons, cellulose and their blends with polyester; the finished fabrics also achieve a smooth silky hand.
XL Finish-OC/Conc	Cationic softening agent
XL Soft-AMS/Conc	It is a substantive non yellowing amphoteric softener imparting excellent softening and antistatic properties to cellulosic, synthetic and blended, knitted and woven fabrics.

## Amino Silicone Emulsions

Product	Function
XL Soft-MI	Is newly developed concentrated free flowing non-reactive silicone softener composed of amino modified polysiloxane as its principal active compound. It imparts excellent inner softness with good surface smoothness.
XL Last-FG-196	Is nonionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of Sylast FG-196 is particularly designed to the degree of fabric softness. It penetrate deep into the fiber bundle giving a luxurious soft handle.
XL Last-RU	Is nonionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of Sylast RU is particularly designed to the degree of fabric softness. It penetrate deep into the fiber bundle giving a luxurious soft handle.
XL Finish ZX/75	It is a cationic macro emulsion based on diorgano modified polysiloxane. It imparts rich luxuriant handle with excellent softness & smoothness. Improves tear and tensile strength enhanced wrinkle resistance and excellent drape.
XL Soft SPS/ EPS	It is nonionic semi-micro emulsion of hindered amino modified poly siloxane containing ultra low levels of surfactants. It imparts excellent softness & slick surface smoothness.



## Amino Silicone Emulsions

Product	Function
XL Soft - HS/conc	It is a durable non-yellowing concentrated hydrophilic silicone softener designed to exhibit excellent soft, smooth and greasy bulky hand while retaining the fabrics original water absorbency & pile. It also exhibits excellent wicking and moisture transport. It is shear stable and hence suitable in application in high turbulence equipments like JET, Soft flow machine etc
XL Soft - TSP/conc	Non-yellowing concentrated hydrophilic silicone softener designed to exhibit excellent soft, smooth hand while retaining the fabrics original water absorbency. It is shear stable. Excellent results on cotton woven & knits
XL Soft - 4770	Is newly developed concentrated free flowing non-reactive silicone softener composed of amino modified polysiloxane as its principal active compound. It imparts excellent inner softness with good surface smoothness.
XL Soft - 6844	Is newly developed ready to use non-reactive silicone softener composed of amino modified polysiloxane. Treated fabric imparts excellent surface smoothness with balanced softness.
XL Last FG-080	Is developed as a concentrated reactive amino silicone micro-emulsion. Treated fabric exhibits excellent surface smoothness & softness. It is suitable for all type of fabric substrates
XL Soft SE	It is a durable non-yellowing economical hydrophilic silicone softener designed to impart soft hand, improved soil release properties and running properties. It is shear stable .
XL Soft -JSS	A revolutionary product that possesses outstanding stability under alkaline conditions at high temperatures conditions under which conventional amino silicone emulsions separate and cause silicone spots. It delivers a soft, silky and full hand feel with a hydrophilic property to various fabrics at lower use levels than other products. It can be applied to a variety of fabrics to deliver outstanding softness with very little yellowing compared to conventional amino silicones.
XL Soft -SE/Conc	It is a self emulsifiable concentrated silicone fluid that can be used for achieving extra ordinary inner softness on all types of fabrics. The nano emulsion gives an inner softness with unique cool, natural and dry handle
XL Soft 180	Is developed as a concentrated reactive amino silicone micro-emulsion. Treated fabric exhibits excellent surface smoothness & softness. It is suitable for all type of fabric substrates

## Amino Silicone Emulsions

Product	Function
XL Soft - SIG	Is a highly concentrated, silicone-based auxiliary. It imparts a pleasingly soft dry handle, to pigment-printed fabrics and improves their fastness.
XL Soft - SRS	Textile softener is a novel linear, polydimethylsiloxane amino polyalkyleneoxide copolymer. It is designed to provide soft, silky, full hand to fabrics. It imparts a slow wetting durable hydrophilic character to fabrics
XL Soft 238	Alkali stable block silicone
XL Feel - 60	It is a specially modified emulsion of poly dimethyl siloxane to give dry, crispy feel to the fabrics especially to synthetics. It is recommended as a mould releasing agent in rubber industries
XL Soft - GWE	Is developed as a concentrated semi micro emulsion of reactive amino silicone . Treated fabric exhibits excellent surface smoothness & softness. It is suitable for all type of fabric substrates
XL Soft - 171	Is cationic emulsified exhaustible concentrated micro emulsion of an organo modified poly siloxane. It gets completely exhausted due to its cationic emulsified technology. It imparts extremely soft, waxy, smooth handle on all types of fabric. Particle size of it is particularly designed to the degree of fabric softness. It penetrates deep into the fiber bundle giving a luxurious soft handle.
XL Soft - HM Plus-60	It is a durable non-yellowing concentrated hydrophilic silicone softener designed to exhibit excellent soft, smooth hand while retaining the fabrics original water absorbency. It is shear stable. Excellent results on cotton woven & knits
XL Soft DNT	It is a durable non-yellowing concentrated hydrophilic silicone softener designed to exhibit excellent soft, smooth hand while retaining the fabrics original water absorbency. It is shear stable. Excellent results on cotton woven & knits
XL Soft - SE	It is a durable non-yellowing concentrated hydrophilic silicone softener designed to exhibit excellent soft, smooth hand while retaining the fabrics original water absorbency. It is shear stable. Excellent results on cotton woven & knits
XL Soft 4122/4103.	It is a durable, hydrophilic silicone softening and smoothing agent for textiles of all fibre types. Treated fabric confers voluminous handle effects, especially suitable for white goods or microfibers. Treated fabric does not have any impact on chlorine fastness properties (pool water fast softener)
XL Soft LUX	It is a durable, hydrophilic silicone softening and smoothing agent for textiles of all fibre types. Treated fabric does not have any impact on chlorine fastness properties (pool water fast softener). Aquasil 5266 has high & super high shear alkali stability & anionic stability.

## Amino Silicone Emulsions

Product	Function
XL Soft 490	<p>Flexsil 490-60 is a new generation textile softener for knitted &amp; woven fabrics of cotton, polyester, viscose, lycra &amp; there blends. Can be applied by pad &amp; exhaust method..</p> <p>Flexsil 490-60 is a new generation textile softener for knitted &amp; woven fabrics of cotton, polyester, viscose, lycra &amp; there blends. Can be applied by pad &amp; exhaust method..</p>
XL Soft HFS-60	<p>Powersil HFS-60 is an emulsion especially developed for piled fabrics made of polyester &amp; polyester rich textiles like rugs, bath mats, chenille, mink fabrics etc.</p> <p>Treated fabric gives soft, greasy, excellent smooth surface on all type of fabrics.</p>
XL Soft 234-D	<p>Flexsil 234 D is a new generation textile softener based on (AB)<sub>n</sub> Polyether block silicone terpolymer for knitted &amp; woven fabrics of cotton, polyester, viscose, lycra &amp; there blends. Can be applied by pad &amp; exhaust method..</p>
XL Soft BQ	<p>Flexsil BQ is a self dispersible hydrophilic fluid of new generation silicone copolymer.Its dilution generates stable micro emulsions.Treated fabric imparts comfort surface smoothness &amp; antistatic properties.</p>
XL Soft 238	<p>Powersil 238 can help provide outstanding softness and slickness to fabrics and garments, while minimizing the problem of yellowing, shear stability and thermal migration. This new product is water dispersible and can be effective at dosage levels three to four times lower than amino silicone fluids.</p>
XI Soft GSQ	<p>Durable, hydrophilic silicone softening and smoothing agent for textiles of all fibre types,confers voluminous handle effects , especially suitable for white goods or microfibers</p>
XL Soft 5266-47	<p>It is a durable, hydrophilic silicone softening and smoothing agent for textiles of all fibre types. Treated fabric does not have any impact on chlorine fastness properties (pool water fast softener). Aquasil 5266 has high &amp; super high shear alkali stability &amp; anionic stability.</p>
XL Soft 4103	<p>It is a durable concentrated hydrophilic silicone softener designed to exhibit luxuriously soft &amp; flexible hand feels to all types of cellulosic, regenerated cellulosic &amp; cellulosic blends of fabrics irrespective of composition &amp; structure.</p> <p>It confers a very soft, voluminous handle with good surface smoothness. Excellent maintenance of the absorptive properties of hydrophilic textiles</p>