



PRODUCT CATALOGUE

preface



In this revised edition of our pocketbook, we have updated the information on the properties and application of our product range for the Leather Industry. With this, you can see how our high performance range of products can be used in your leather processing.

Nevertheless, it is possible that you may have some further questions. Our technical team will be pleased to advise you personally on any queries that you may have.

The information shared in this edition is believed to be accurate and refers to the laws, regulations, and products at the date of release. However, **C&E Limited** makes no express or implied representations or warranties with respect to the information contained herein. It is the sole responsibility of our customers to determine that the use of our product(s) is safe, lawful and technically suitable for their applications. Because of possible changes in statutes or regulations, we cannot guarantee that the status of products referred here and above will remain unchanged.

company profile

C&E Limited has firmly established itself as a pioneer in the leather industry for over four decades. It manufactures a wide range of performance coatings and chemicals at its ultra-modern manufacturing facilities in Baddi, Himachal Pradesh and Chennai, Tamil Nadu. The **C&E** Group also has diverse interests in manufacturing of Pharmaceuticals, Footwear and Footwear Components, Molds, Paint Intermediates and more.

C&E Limited is a proud member of the Leather Working Group (LWG) and is in compliance with various trade and statutory legislations i.e. REACH etc... It has also got its facilities certified according to ISO 9001 :2015; 14001 :2015; 45001 :2018 in recognition of its ongoing commitment to quality, safety, and environment which are continually upgraded through its Integrated Management Systems.

With a state-of-the-art R&D lab and application center, **C&E** has been a harbinger in developing trending finishes and creating techniques for the application of chemicals to produce beautiful leather with international flavor. Along with products of world class quality, we also offer our strong technical support for the customer to be able to utilize this complete range of finishing chemicals to the fullest.

Thanks to its continued growth, **C&E** has a Pan-India presence and global reach in China, Indonesia, Thailand, Vietnam, Bangladesh, Pakistan, UK, Nigeria, Egypt, Turkey, Argentina, Brazil, Philippines, Korea, Ethiopia and more.

We believe the only thing that is constant in life is change. Innovation is our passion and that's what allows us to continuously crave to Create Excellence.

our certification



Quality Management System

ISO 9001 : 2015

Environmental Management System

ISO 14001 : 2015

Occupational Health & Safety

Management System

ISO 45001 : 2018

REACH Compliant



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product index

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ALIPHATIC AQUEOUS POLYURETHANE DISPERSIONS (ANIONIC)



Product & Description	Salient Features & Key Application Areas
PUTHANE TS 8290 Top PUD	Excellent resistance to rubbing and abrading, adhesion and flexibility. Good glossy wet look, pleasant silky touch.
	Suitable for top coats of various shoe upper and bag leathers as well as supports roller coater applications.
PUTHANE TS 8359 Top PUD	Transparent shiny look excellent rub fastness, high resistance to oil and water drop let. Smooth silky touch.
	Designed to top all soft and medium soft polyester top coating requiring high shine with very high silky touch.
PUTHANE MS 8320 Medium soft PUD	Excellent adhesion with strong mechanical stability, covering and filling properties. Good light fastness and cold crack resistance, malleability, wet & dry rub fastness.
	Designed for season coat as well as intermediate top coat, due to its tenacious and glossy film.
PUTHANE 8033 Medium soft PUD	Soft mellow handle high elasticity and tenacity. Vivid natural look strong adhesion.
	Widely admired in nappa or any soft leather segment for its contribution of softness, adhesivity and flexibility to the finishes.

REDEFINING

ALIPHATIC AQUEOUS POLYURETHANE DISPERSIONS (ANIONIC)

Product & Description	Salient Features & Key Application Areas
PUTHANE 8603 Medium soft PUD	Excellent polishing and burnishing behavior. Soft handle and flexibility. Good up gradation for grain off or hair slip. Warm waxy touch.
	Yields excellent reactivity in corrected and full grain burnish finishes, imparts appreciable covering and adhesion without deteriorating the natural look and soft feel of the leathers.
PUTHANE 8002	Good glazeability and polishability, transparent brilliant appearance.
Non film forming soft PUD	Imparts high degree of elasticity to protein finishes, fixing properties are enhanced with soft handle maintained.
PUTHANE 8069 Non film forming soft PUD	Elastic very soft film, Excellent polishability.
	Widely admired in covering ground coats for finishing soft leathers.
PUTHANE TM 8824 Matt PUD top	Excellent elastic and non-tacky film properties, high resistance to dry and wet rubbing. Good flow out properties, uniform dull look.
	Suitable matt pu top for upholstery, garment or shoes. It is a so called "mother topcoat". It is used as final top for furniture leathers.
PUTHANE A 8821 Adhesion PUD	Thin and adherent film, excellent adhesion promoter, soft and smooth touch, good covering without loading grain, excellent flexibility.
	It has been specially designed for all kind of finishes in order to strengthen the adhesion properties.

ALIPHATIC AQUEOUS POLYURETHANE DISPERSIONS (ANIONIC)



 Product & Description
 Salient Features & Key Application Areas

 PUTHANE A 8829
 Thin and adherent film, excellent adhesion promoter, soft and smooth touch, good covering without loading grain, excellent flexibility.

 It has been specially designed for all kind of finishes in order to strengthen the adhesion properties. It can be use alone as adhesion promoter before the base coat.

ALIPHATIC AQUEOUS POLYURETHANE

DISPERSIONS (CATIONIC)

PUTHANE 6014 Excellent behavior on polishi sealing effect, uniformity wit dopey appearance, pleasing touch, admirable roundness softness.	g smooth
Designed for improving sele without loading the grain. W in the base coat and polishe the surface absorption on e and enables the subsequen camouflage the defects.	/hen used ed, it sets quality
PUTHANE 6020 Excellent cold crack resistan mechanical actions sealing adhesion of subsequent fini- Good glossy and highly elast	effect, sh coats.
Highly effective as cationic s ground and upgrades almo of leathers maintaining soft	st all sorts

REDEFINING

ALIPHATIC AQUEOUS POLYURETHANE DISPERSIONS (CATIONIC)

Product & Description	Salient Features & Key Application Areas
PUTHANE 6027	Thin elastic soft dry film, rapid penetration, excellent polishability.
Soft PUD	Applicable as main binding medium for almost all sorts of cationic base coats, improves adhesion even on difficult leathers.
PUTHANE 6034	Highly elastic very soft film, strong adhesion.
Soft PUD	Extremely beneficial for leathers with excessive cationic surface character and high absorption, maintains softness and natural appearance.

ALIPHATIC AQUEOUS POLYURETHANE

DISP	ERSIO	N S (1	ONIC)

PUTHANE NS 7160 Soft PUD	Excellent anchorage, extensibility and elasticity, resistant to heat and UV light. Compatible in both cationic and anionic media.
	Suitable for all sorts of soft leathers with natural look and handle as well as imparts strength and flexural endurance to base and intermediate coat as well.
PUTHANE 7015 Soft PUD	Excellent driver for cationic and anionic finish formulations, good leveling and uniformity.
	Strongly recommendable for light finishes including garment and drum dyed articles, usually added to the finish mixtures in quantities of 5 - 20% by weight.

PROTEINS AND POLYAMIDES (ANIONIC)



Product & Description	Salient Features & Key Application Areas
CTOP AWC Anionic protein emulsion modified	Excellent resistance to rubbing and abrading, adhesion and flexibility. Good glossy wet look, pleasant silky touch.
	Suitable for top coats of various shoe upper and bag leathers as well as supports roller coater applications.
CTOP AUC	Good physical character, easy plate releasing action, regulates rheology.
Universal anionic protein emulsion modified	Designed for providing easy release with rich look to anionic season coats in general & offers good resistance to mechanical actions.
CTOP ALC Anionic protein emulsion modified	Excellent behaviour on polishing and glazing, transparent glossy look, highly resistant to heat, smooth waxy touch.
	For polish and glaze finishes & highly effective to impart rich transparent look to the aniline and semi-aniline finishes in general.
CTOP AMC Anionic protein emulsion for top	Excellent glaze ability and polishability, gloss with natural look, good resistant to heated mechanical actions, smooth silky touch.
modified	Immensely useful for base, intermediate and top coats for glaze and other protein finishes and to get rich glossy look.

PROTEINS AND POLYAMIDES (ANIONIC)

REDEFINING

Product & Description	Salient Features & Key Application Areas	
CTOP ATC Anionic protein emulsion for top modified	Brilliant glossy look, good mechanical resistance, light-fastness, smooth touch.	
	Provide glossy brilliant surfaces in plated, polished and glaze finishes.	
CTOP ASP Anionic polyamide emulsion	Excellent flexibility, polish-ability and glaze-ability, good gloss retention ability, improve fixation in protein finishes.	
	Designed for glaze and other protein finishes for long lasting high shine, smooth touch and flexing resistance and can also be used in light resin finishes to reduce tack, modify rheology.	
CTOP 2120 Protein emulsion modified	Thin adherent film, high transparency, easy glazeability, warm hand.	
	Designed to be deployed in the base coats of all the protein finishes. It finds application in almost all sorts of articles ranging from soft, medium soft to medium hard.	
СТОР ЕК	Medium hard film, deep gloss.	
Anionic protein emulsion modified	Suitable for glaze and polish finishes to attain deep shine and smooth touch without any unwanted grain hardness.	

PROTEINS AND POLYAMIDES (CATIONIC)



Product & Description	Salient Features & Key Application Areas
СТОР К 714	Thin adherent film, easy polishability.
Cationic protein emulsion	Used in various proportions with cationic waxes and non-ionic grounds for good sealing, natural appearance and pleasing touch.
СТОР К 2263	Clear light film, warm touch.
Cationic protein emulsion	Applicable for various types of leathers in general and high veg ones in particular for natural appearance and pleasant warm touch.
CTOP KGC Cationic protein emulsion	Rich aniline look, strong holding capacity, helps in sealing open defects, avoids loading and dopey appearance, excellent behavior on polishing and glazing, smooth waxy touch.
	Has been especially designed for ground coats in polish and glaze finishes. Facilitates smooth mechanical actions and yields natural look when used with cationic polyurethane dispersions in the base coat.

ACRYLIC BINDERS

REDEFINING

Product & Description	Salient Features & Key Application Areas
RESICRYL S 100 Acrylic copolymer emulsion	Excellent rub fastness, holding capacity, extensible & elastomeric nature, high malleability, strong adhesion, high resistance to flexing and cold crack.
	Designed to impart very high anchorage, softness and excellent holding capacity to the base coats. It gives high flexural endurance even at temperatures as low as -200 c.
RESICRYL S 150 Acrylic copolymer	Excellent binding and rub fastness, high milling resistance. Good embossing character.
emulsion	Versatile binding medium for full grain and corrected grain leathers which are to undergo embossing with or without milling and suits well to the articles like shoe upper, bag and upholstery leathers.
RESICRYL S 220 Acrylic copolymer	Excellent resistance to flexing and cold crack, good light fastness, good malleability, mechanical stability.
emulsion	Nappa aniline and semi finish leather.
RESICRYL S 986 Acrylic copolymer emulsion	Very good uniformity without dopey appearance, wet and dry rub- fastness, flexibility with good cold crack resistance good smooth glossy look.
	Season coats for all soft types of leathers and is specially recommended for nappa.

ACRYLIC BINDERS



Product & Description	Salient Features & Key Application Areas
RESICRYL M 455 Acrylic copolymer emulsion	Very fine particle size. Elastic and highly flexible. Excellent adhesion and filling properties. Good cold crack resistance. Very good covering with smooth surface touch. Outstanding light fastness.
	Suitable in base coat as a main binding medium for all kinds of shoe upper and nappa leathers.
RESICRYL M 438 Acrylic copolymer emulsion	Excellent uniformity; high resistance to flexing and cold crack, wet & dry rub fastness, light fastness good penetration and adhesion, clear gloss film.
	Finishing full grain, corrected grain and split leathers.
RESICRYL M 401 Acrylic copolymer	Excellent wet and dry rub-fastness, good binding and filling properties, plate release.
emulsion	Versatile binding medium in season coats for all kinds of leathers.
RESICRYL M 425 Acrylic copolymer emulsion	Good penetration and adhesion, cold crack resistance, light-fastness, easy plate release and smooth touch, thin elastic and glossy film.
	For soft articles for maintaining high elasticity and anchorage & season coats for all kinds of leathers.

ACRYLIC BINDERS

REDEFINING

Product & Description	Salient Features & Key Application Areas
RESICRYL 1102 Acrylic copolymer emulsion for impregnating	Excellent grain tightening, dispersion and penetration, enhances resistance to scuffing good compactness with optimum degree of closing, snuff- ability, easy miscibility with water and polar solvents.
	For corrected grain leathers ranging from medium soft to medium hard in handle, curtain coater for uniform impregnation through out the leather surface.
RESICRYL 1 104 Acrylic copolymer emulsion for impregnating	Excellent adhesion, extremely divided polymer dispersion, rapid penetration. Good grain tightness without stiffness or rigidity.
	It can either be impregnated deep into the grain or it can be used for elegant finishes for high adhesion and flexibility for a wide variety of leathers.
RESICRYL I 106 Acrylic copolymer emulsion for	Excellent dispersion and easy penetration, compactness with good filling properties. Good re-snuffing properties and medium soft film.
impregnating	Used for impregnation in corrected grain leathers. Preferred to be applied by roller coater machine for uniform impregnation properties.

COMPOUNDS, COMPATTOS AND STUCCO (COMPOUND)



CREATING EXCELLENCE		
Product & Description	Salient Features & Key Application Areas	
RESICOMP 836 Aqueous polyacrylate compact with special additives	Excellent emboss-ability, flexural endurance, smooth optics with high up gradation, strong holding capacity, easy plate release.	
	For up gradation for all kind of leathers & highly. For C.G, split and smooth finishes.	
RESICOMP 816	Excellent covering, good mechanical stability, plate release, rheology for roller coating.	
polyacrylate compact with special additives	For finishing corrected grain smooth and split leathers & upgradation of both shoe upper and nappa leathers.	
RESICOMP 800 Aqueous polyacrylate compact with special additives	Excellent covering,good behaviour on roller coating, very good adhesion and filling properties with elastic film, plate release, mechanical stability.	
	Best choice for printed articles where prints aren't just uniform but also long lasting, irrespective of print sizes.	
RESICOMP 848 High performance anionic compact	Excellent covering and binding film, good mechanical stability, natural filled appearance, smooth surface touch.	
with special additives	Complete binding medium for a versatile finishing system as well as to hide various surface defects with requisite physical parameters maintained.	

COMPOUNDS, COMPATTOS AND STUCCO REDEFINING (COMPATTO ANIONIC)

Product & Description	Salient Features & Key Application Areas
RESICOMP 822 C Aqueous acrylate compound with special additives	Excellent softness and milleability, high covering, good embossability, easy plate release.
	For all the soft and milleable articles like upholstery, dry milled bag leathers, milled shoe upper leathers and basecoat etc.
RESICOMP 824	Good coverage, good printability, good dry milling.
Water based high performance acrylic resins and filler	It is a ready-to-use compound for buffed upholstery and shoe upper leather articles.
COMPATTO LM Aqueous anionic compound for shoe lining leathers	Good covering with natural look, high binding and rub resistance, easy plate release and good rheology.
	Suitable compound for finishing shoe upper and lining leathers in general where covering with natural look are desired along with high holding efficacy for non-bonding ingredients.
COMPATTO PBC Prebottoming stucco	Excellent sealing and covering, very low tack, easy buffability.
	Has been designed as buffable prebottoming stucco for roller applications. It forms an elastic and rubbery film and the collagen fibres at deeply snuffed or split leather surfaces get sufficiently sealed.

COMPOUNDS, COMPATTOS AND STUCCO (COMPATTO ANIONIC)



Product & Description	Salient Features & Key Application Areas
COMPATTO BLT 8031 Aqueous resin compound with special additives	Smooth covered look, strong bonding,good rheology and leveling,easy plate release.
	Designed for corrected grain smooth finishes for belting, shoe upper and bag leathers. Its rheology supports roller coater applications with uniform upgrading film coatings and pleasant touch.
COMPATTO BLT 01 Aqueous resin compound with special additives	Smooth covered look, strong bonding,good rheology and leveling,easy plate release.
	Designed for corrected grain smooth finishes for belting, shoe upper and bag leathers. Its rheology supports roller coater applications with uniform upgrading film coatings and pleasant touch.
COMPATTO GU Aqueous anionic compound for furniture upholstery leathers	High binding and covering, high resistance to long dry milling and flexing, good printability and print retention characters.
	Designed for pigmented furniture upholstery finishes, as a versatile compound it is highly suitable for printed bag and safety shoe upper leathers because of good embossability and print retention characters.

COMPOUNDS, COMPATTOS AND STUCCO REDEFINING (COMPATTO ANIONIC)

Product & Description	Salient Features & Key Application Are
COMPATTO 8240 S Aqueous high performance modified acrylic compound	High binding and covering, high resistance to long dry milling and flexing, good printability and print retention characters, good adhesic properties.
	As a versatile compound it is highly suitable for printed bag and safety shoe upper leathers because of go embossability and print retention

characters.

COMPOUNDS, COMPATTOS AND STUCCO (COMPATTO CATIONIC)

COMPATTO KCC

Aqueous cationic compound with special additives

Good uniform covering with natural look, good sealing and polishability and soft waxy handle.

Designed as a versatile cationic bottom coat suitable for a variety of articles ranging from aniline, semi-aniline to covered finishes. Its foundation has a long lasting impact on uniformity and soft handle of the leathers.

COMPOUNDS, COMPATTOS AND STUCCO (COMPATTO NON IONIC)

COMPATTO UPGRADE

Upgrading compound

Good uniform covering with natural look, holds up subsequent finish coats.

Designed for various applications where natural leathery appearance is to be preserved and subsequent finishing is to be continued with or without snuffing.

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COMPOUNDS, COMPATTOS AND STUCCO (STUCCO ANIONIC)



Product & Description

CSTK 8784

Polyurathane dispersion containing blend of high efficiency filling additives

Salient Features & Key Application Areas

High filling properties for various defects on the leather surface, excellent covering and uniformity, good buffability, maintains good flexibility even for milled articles.

It is employed directly onto the leather surface with spatula. Care should be taken to ensure that all defects are covered on the surface and are completely filled.

WAXES (ANIONIC)

REDEFINING

Product & Description	Salient Features & Key Application Areas
C WAX W-16 Aqueous emulsion of synthetic waxes modified with special additives	Good filling and matting effect, excellent reactivity properties, excellent whitening effect, white using in burnishing system improve reactivity, good adhesion properties with silky touch.
	For pigmented burnishing finish system to improve the desire reactivity.
C WAX W-20 Aqueous emulsion	Good filling with whitening, very good darkening and reactivity, waxy silky touch, easy polish-ability.
of synthetic waxes modified with special additives	For specialty Dd and tumbled articles.
C WAX BW Aqueous emulsion of synthetic waxes modified with	Excellent reactivity properties. Good filling and matting effect, whitening effect, improves reactivity and maintains adhesion properties with silky touch.
special additives	Special type of synthetic wax emulsion specially designed for burnishing or low whitening effect. Highly suitable for pigmented burnishing finish system to improve the desire reactivity.
C WAX ASW	Easy release on heated plating, good emboss ability, stable characters of feel and look.
of natural and synthetic waxes	For a wide range of conventional and modern finishes. When used in season coats.

WAXES (ANIONIC)



Product & Description	Salient Features & Key Application Areas
C WAX FCH	Good covering, natural dull look.
Anionic emulsion of waxes	Used in cationic, non-ionic and anionic coats in quantities varying from 2 - 10% of season in order to increase covering and heated plate release.
C WAX FOD	Light greasy hand, good filling effect.
Aqueous emulsion of modified synthetic waxes, anionic	Applicable with a variety of season coats and also on top as feel improver.

WAXES (CATIONIC)

C WAX KNR Cationic emulsion of waxes	Wet silky feel, softens the temper of the leathers, good resistance to mechanical actions, filled uniform appearance.
	For imparting silky velvety feel maintaining the writing effect with the open naps on nubuck and suede leathers.
C WAX KFAI Weakly cationic emulsion of waxes	Pleasant waxy touch widely admired for garment leathers, smooth grain, natural optics.
	Easily compatible with cationic, non- ionic and anionic products as wel.

WAXES (NON IONIC)

REDEFINING

Product & Description	Salient Features & Key Application Areas
C WAX CRW Aqueous emulsion of carnauba waxes	Good penetration and darkening, high shine on polishing or brushing, warm waxy hand.
	Designed to impart darkening with clear gloss on natural leather surfaces. Helps to get crunch effect.
C WAX 1614 Aqueous emulsion of special paraffin wax, weakly anionic	Good covering and uniformity, warm waxy hand.
	Suitable for polish and glaze finishes with ctop and non-film forming puthane series of C&E for desired 'aniline' effect.
C WAX 3142 Non-ionic emulsion of modified carnauba waxes	High reactivity, good shine on polishing and brushing.
	Imparts darkening with clear gloss on natural leather surfaces, facilitates polishing, brushing and burnishing. Dye house application as reactive top in the final float after fixing for burnish and reactive leathers.

WAXES (HOT MELT WAXES)

C WAX M-7861 Blend of natural & synthetic waxes	Excellent darkening effect, excellent crush and repolishable effect, good performance with high temperature plating, provide a very rich surface feel on C.G. and F.G. Leather.
	Specially designed for high darkening "pull up" and "crunch" effect.

WAXES (HOT MELT WAXES)



Product & Description	Salient Features & Key Application Areas
C WAX M-7871 High performance synthetic waxes dispersion in organic solvent	Strong pull up effect on corrected and full grain leathers, with high temperature. Plating provide perfectly sealed grain with glossy surface and natural feel, excellent crush and re- polishable effect
	Designed for "pull up" effect both for corrected and full grain leathers. A heated roller coater is the best method to apply for optimum result.
C WAX M-7881 Blend of natural & synthetic high melting point "pull-	Excellent darkening effect, excellent crush and repolishable effect, good performance with high temperature plating, provide a very rich surface feel on C.G. and F.G. Leather
up" wax	Specially designed for high darkening "pull up" and "crunch" effect.
C WAX M-7891 High performance melting wax	Excellent leveling and dispersing ability and pull up and crunch effect good darkening and smooth touch
	Covers a variety of articles in pull up and crunch segment where good darkening, soft crust handle and unloaded look is required. It is applied by heated roller. Suitable in the combination with melting waxes from C&E range to regulate softness, leveling and darkening.

GROUNDS (ANIONIC)

REDEFINING

Product & Description	Salient Features & Key Application Areas	
CBASE 162 Anionic blend of polymers and auxiliaries	Soft elastic film, good uniformity with non-loaded grain, silky natural touch.	
	Applicable as chief binding compound for soft and very soft leathers requiring natural look.	
GROUNDS (CATIONIC)		
CBASE K 74 Blend of special additives	Excellent polishability, uniform covering without loading the grain. Good reactivity in burnish finish, sealing property, mechanical stability.	

Suitable for burnish, polish, aniline & semi aniline finish leathers and highly recommended for c.G. Burnish leathers for its excellent sealing and low grain formation properties.

smooth and waxy surface touch.

GROUNDS (NON IONIC)

CBASE NPG Non-ionic blend of natural & synthetic additives	Excellent upgrading efficacy with unloaded look, facilitates polishing and heated plating. Good smooth waxy touch.
	Highly commendable for leathers meant for softy shoe uppers, bags, garments or any other articles requiring natural optics.
CBASE K FDG Non-ionic blend of selected oils and waxes	Good covering and filling, easy polishability, fine grain appearance.
	As a polishing base, it prepares grain for subsequent finish coats, usually applied in the ratios of 1:2 to 1:3 with water, with polishable puthane range combined, physical properties are substantially enhanced.

FILLERS (ANIONIC)



Product & Description	Salient Features & Key Application Areas
C FIL AMF	Good uniform filling, easy plate release, smooth waxy touch.
Performance anionic filler	Suitable for all types finishes to attain uniformity and natural filled appearance and effectively used in not-so-covered finishes to reduce the number of coats.
C FIL AFD High performance filler and duller	Excellent filling and matting effect, smooth feel.
	Suitable for the covered finishes including box smooth, corrected grain and embossed leathers with various end uses.

FILLERS (CATIONIC)

C FIL KPF High performance cationic filler	Good covering and uniformity, inducts homogeneity in the whole cationic system, polishable in the cationic grounds, smooth surface feel.
	Capable to camouflage the defects without giving rise to dopeyness or loading on the grain, a modicum of cationic pigment or dye solution can be taken along with C FIL-KPF in order to raise the brilliancy of the finishing system.
C FIL KMA High performance cationic filler	Good filling with uniform dullness, draggy waxy feel, retains natural look.
	Suitable for highly effective upgrading auxiliary that maintains natural appearance without causing colour fading or whiteness.

OILS (NON IONIC)

REDEFINING

Product & Description	Salient Features & Key Application Areas
C OIL NSO Non ionic blend of self-emusifiable synthetic oils	Rapid and uniform dispersion, softens temper of the leather, gives light pull- up effect to the crust, good behavior on polishing and glazing, resistant to electrolytes.
	Designed for pre-bottom coat to yield round and mellow handle in most of the soft leathers, glazed and polished finishes to facilitate mechanical operations.
C OIL DD Non ionic emulsion of oils and selective waxes	Natural greasy touch, good polishability, improves covering and softness.
	Compatible with cationic, non-ionic and most of the anionic ingredients.
C OIL 321 Non ionic blend of self- emusifiable synthetic oils	Good dispersion, softens temper of the leather, gives light pull-up effect to the crust, good behavior on polishing and glazing.
	Yields round and mellow handle when used as pre-bottom coat, used as free oil during main fatliquoring in drum for better lubrication of fibers.

TOUCH MODIFIERS



Product & Description	Salient Features & Key Application Areas
C TOUCH WWT Blend of aqueous	Wet silky feel, helps to resist mechanical operations, facilitates adhesion test.
emulsion of waxes and silicone additives	To give wet silky touch for shoe nappa, dd bag and garment leather manufacturers.
C TOUCH NPT	Natural slippery surface feel, arrests stickiness in resin coats.
Blend of aqueous emulsion of waxes and silicone additives	Highly commendable in the premium soft leather segment comprising of garment, upholstery, bag and softy upper leathers.
C TOUCH WST Blend of aqueous	Warm silky feel, reduces tack of resinous compounds, facilitates adhesion test.
emulsion of waxes and silicone additives	Helps in imparting smooth silky feel very much admired by the leather garment sector.
С ТОИСН КІН	Smooth, waxy, slightly greasy.
Non ionic emulsion of silicones	Improves natural hand in various articles including garment leathers, well compatible with aqueous nitrocellulose emulsions.
C TOUCH IE	Smooth silky.
Non ionic emulsion of silicones	Improves feel and uniformity, reduces tack, well compatible with aqueous nitrocellulose emulsions.

PENETRATING AGENTS

REDEFINING

Product & Description	Salient Features & Key Application Areas
CPS 7942 Blend of penetrating solvents	Effective capillary action, facilitates leveling in staining, strong dye solvent in aqueous media, thorough penetration and impregnation.
	Designed to impart intensive impregnating effect, regulates the evaporation rate and strikes a balance of penetration and leveling. Functions as a universal penetrator in staining or tinted season coats for a variety of leathers such as chrome tanned, heavily re-tanned or vegetable tanned.
CPS 7943	Bipolar penetrator with a medium to high evaporation speed.
Bipolar penetrator in aqueous media	Suitable penetrator for season coats and traditional application blends.
CPS 7944 Blend of penetrating solvents	Excellent capillary action, facilitates leveling in staining, strong solvent for liquid dyes.
	Strong solvent for liquid dyes and ensures uniform penetration in a variety of leathers ranging from full chrome, chrome re-tanned to vegetable tanned. Imparts intensive impregnating effect.
CPS 7945 Blend of penetrating solvents	Strong solvent for liquid dyes, Facilitates leveling in staining.
	Unique driver for liquid dyes and ensures leveling and brilliancy in a variety of leathers ranging from full chrome, chrome re-tanned to vegetable tanned.

PENETRATING AGENTS



Product & Description

Salient Features & Key Application Areas

CPS 7946

Blend of penetrating solvents

Designed to enhance the penetration along with long lasting water drop absorption in the given atmospheric conditions of temperature and relative humidity.

It can be deployed in the season coats as well as top coats comprising of lacquer emulsions.

FIXING AGENTS

REDEFINING

Product & Description	Salient Features & Key Application Areas
C FIX AFB* Polyaldehydic fixing agent	Excellent behavior on polishing and glazing good outstanding resistance to rubbing and abrading.
	Suitable in fixing protein and polyamide finishes.
C FIX APF*	Excellent light-fastness, good high resistance to rubbing.
Polyaldehydic fixing agent	Applied to light colors including white and pastel shades and helps in fixing protein and polyamide finishes.
C FIX DFF Polyaldehydic fixing agent	Excellent rub fastness and abrasion resistance, good polishing, glazing and ironing.
	Forms insoluble complexes with proteins and polyamides thereby fixing the finish film on drying and imparts a yellowing character to the finished leather.
C FIX XTB* Polyaldehydic fixing agent	Excellent behavior on polishing and glazing, good high rub fastness.
	Designed to replace classic formaldehyde fixation as a safer method of fixing protein finishes.
C FIX 7015 FF	Good fixing properties
Foraldehyde free fixing agent	Suitable for fixing protein finishes including light colours.

*Non reach compliant products

LACQUERS & LACQUER EMULSIONS (HIGH PERFORMANCE LACQUERS)



Product & Description	Salient Features & Key Application Areas
LH 2312 Aqueous intermediate lacquer emulsion	Provides a warm, soft, natural handle, good plate release, good wet and dry rub fastness, good adhesion properties, good printability, very natural aspects and handle.
based on nitrocellulose and other additives	Suitable for clothing and shoe upper leathers.
LH 2319 Aqueous nc emulsion top	Excellent plate release. Glossy look,excellent dry and wet rub fastness, soft and smooth touch.
	Suitable for all kinds of leathers where glossy look is required with good fixing properties.
LH 8871 Aqueous nc emulsion top	Excellent plate release. Easy malleability, clear and dull look, soft and smooth touch
	Suitable for all kinds of leathers where dull look is desired with unloaded clarity. It helps to maintain color intensity along with a high degree of dullness and uniformity.
LH 2320	Low shine, pleasant buttery touch, good plate release and milleability.
Aqueous nitrocellulose emulsion top	It has been designed for leathers requiring long lasting pleasant buttery touch with requisite fixing. Shine remains low which facilitates natural leathery appearance in the soft leather articles.

REDEFINING

Product & Description	Salient Features & Key Application Areas
CROWNLAC W Aqueous nc emulsion top	Good soft & thin film, dry & wet rub- fastness, glossy look with silky smooth touch.
	Used on all kinds of leathers where natural glossy look along with soft crust handle are required.
CROWNLAC 2165 Aqueous nc emulsion top	Excellent plate release. Easy malleability, very thin film, glossy look.
	Designed to function as intermediate release coat before heated embossing in the soft leathers like upholstery.
CROWNLAC W-50 Aqueous nc emulsion top	Good soft & thin film, dry & wet rub- fastness, glossy look with silky smooth touch, facilitates mop ironing.
	Designed to top all such finishes where good fixing is intended with clear glossy appearance along with heated mop ironing facilitated.
CROWNLAC WI Aqueous nc emulsion top	Excellent plate release. Easy malleability, very thin film, glossy look.
	Designed to function as intermediate release coat before heated embossing in the soft leathers like upholstery.
CROWNLAC LSG Aqueous nc emulsion top	Suitable for all kind of leathers where soft and natural look is required.
	Specially suitable for clothing and nappa type of leathers where the leather are lightly finished.



Product & Description	Salient Features & Key Application Areas
CROWNLAC LSG	Suitable for all kind of leathers where soft and natural look is required.
Aqueous nc emulsion top	Specially suitable for clothing and nappa type of leathers where the leather are lightly finished.
CROWNLAC W MATT Aqueous nc emulsion top	High dry & wet rub-fastness, malleability, good moderate matting effect, smooth touch with natural look.
	Suitable on all kind of leathers where natural dull look with good fixing are required.
CROWNLAC W MATT CONC Aqueous nc emulsion top	High dry & wet rub-fastness, high matting effect with uniform look, malleability, flexibility, cold crack resistance good smooth and silky touch.
	Suitable on all kind of leathers where very high matting effect and covered look are sought after and intermediate season coats to get matting effect and rub-fastness enhanced.
CROWNLAC NYEM Collodian free aqueous ester	High light-fastness, flexibility good wet & dry rub-fastness, warm waxy touch. Does not turn yellow on exposure to heat & UV rays
emulsion top	Specially recommended for white and pastel shades where light- fastness is of prime concern.

Salient Features & Key Application Areas Product & Description CROWNLAC NYEM High light-fastness flexibility and abrasion resistance, good wet & dry MATT rub-fastness, soft handle and warm Collodian free waxy touch. Does not turn yellow on exposure to heat & UV rays does not aqueous ester create white break during milling. emulsion top Specially recommended for white and pastel shades desiring a natural dull appearance. CROWNLAC WS Excellent drv & wet rub-fastness, malleability, flexural endurance, cold Plasticized nc top crack resistance. Good waxy smooth touch, very soft handle. dilutable in aqueous & non aqueous Suitable for all kind of leathers media requiring very glossy look, high abrasion resistance and waxy smooth touch. Outstanding gloss, rich vivid aniline **CROWNLAC HG** look, dry & wet rub-fastness, high abrasion resistance. Smooth silkv Plasticized nc top touch, easy release on heated ironing. dilutable in aqueous & non aqueous Highly suitable for the shiny articles media like simulated glaze and all kind of leathers requiring glossy grandeur and high resistance to rubbing and abrading. CROWNLAC WS Excellent dry & wet rub fastness, ΜΑΤΤ flexural endurance, cold crack resistance and abrasion resistance. Plasticized nc top Suitable for all kind of leathers dilutable in aqueous requiring high dull look and rub & non aqueous fastness, and abrasion resistance. media

REDEFINING



	CREATING EXCELLENCE
Product & Description	Salient Features & Key Application Areas
CROWNLAC SHG Non aqueous nitrocellulose top	Excellent wet & dry rub-fastness, uniform high gloss,smooth surface touch & high abrasion resistance.
	Designed for a variety of resin finishes requiring very high gloss and resistance to dry or wet rubbing and scratch. The gloss, touch and clarity yielded are widely admired in corrected and full grain shoe upper and leather goods segments.
CROWNLAC NY Collodian free non aqueous ester top	Excellent light-fastness, flexibility, abrasion resistance. Good wet & dry rub-fastness, smooth waxy touch.
	Recommended for white and pastel shades desiring glossy look and can be used for dark articles for good fixing and touch.
CROWNLAC NY MATT Collodian free non aqueous ester top	Excellent light-fastness, flexibility, abrasion resistance,good wet & dry rub-fastness, smooth waxy touch.
	Specially recommended for white and pastel shades desiring natural matt look. Can be used for dark articles for good fixing and touch.
CROWNLAC 87 C MATT Plasticized nc top dilutable in non aqueous media	Excellent wet & dry rub-fastness. Good smooth silky touch, good abrasion resistance.
	Suitable for all kind of leathers where high standards of physical properties along with natural dullness are needed.

PIGMENT DISPERSIONS (ANIONIC)

REDEFINING

Product & Description

TANTINO (Anionic Pigments)

Anionic pigment dispersions in aqueous media

Colour Range

Lemon Yellow Orange Maaenta Red/Scarlet Bourdex Blue Marine Blue Green Violet Ochre Golden Bruno R Bruno S Chocolate Deep Black Black Eco Nero Jet Black Bianco Ra **Bianco Lily**

Salient Features & Key Application Areas

Excellent colouring power and endurance, Finely ground and micronized, Homogeneous dispersion, Good covering and uniformity, High resistance to heat/light fastness & PVC migration, Easy compatibility in aqueous media.

•TANTINO have been designed as the chief colour components of leather finishing and are fine enough to remain well embedded in the finish coats with outstanding physical parameters.

•TANTINO display excellent compatibility with anionic and nonionic finishing ingredients from the range of **C&E**.

•TANTINO can be used singularly or in combination to get any desired shade under the sun or any other light specified.

Quantity of application may vary from 20 to 150 g/l of season mix depending upon the shade, look and finish aspired.

•TANTINO are standards compliant, environment friendly and dependably safe to use for a variety of leathers ranging from premium shoes, garments, upholsteries to leather goods.

PIGMENT DISPERSIONS (NON IONIC)



Product & Description

TANTINO NIO (Non Ionic Pigments)

Non-ionic pigment dispersions in aqueous media

Colour Range

Lemon Yellow Orange Maaenta Red/ Scarlet Bourdex Blue Marine Blue Green Violet Ochre Golden Bruno R Bruno S Chocolate Black Black Eco White

Salient Features & Key Application Areas

Excellent colouring power, Rapid uniformity, Excellent general fastness properties, Free from casein and phenolic preservatives, Robust reproduction of colour blends, Ready compatibility with cationic, anionic and non-ionic ingredients.

•Casein-free range of very finely and evenly dispersed non-ionic pigments in aqueous media. High covering power, reliability of shade and excellent fastness properties make it ideal for upholstery, garment, shoe and bag leathers.

•The range includes dispersions of highly brilliant organic and commendably covering inorganic pigments. The surfactants and dispersing agents have been well optimized in order to maintain high physical standards of the finish film.

•Depending upon types of leathers, TANTINO NIO can be used in the quantities of 100 – 150 parts per litre along with sufficient binding components.

 In cationic finishing system, TANTINO NIO helps with the efficacy of natural leathery optics much sought after.
 For good uniformity in hues and covering in light finishes, a quantity of 25 to 75 parts per litre is usually recommended.

•TANTINO NIO complies well with the internationally accepted regulations concerning chemical substances including reach.

PIGMENT DISPERSIONS (CATIONIC)

REDEFINING

Product & Description	Salient Features & Key Application Areas
PIGMENTOL K BLACK (Cationic Pigment)	Very fine particle size, high covering with excellent depth, bright shades with good transparency, outstanding lightfastness and heat stability.
	PIGMENTOL K is recommended to be used as main colouring ingredients in cationic finshing system. It is very much suitable for low grain loading effect required in semi aniline articles like garment nappa, shoe nappa, bag leathers etc. It can be used for grain off leather as well.



Product & Description

ANIOSPARK

Highly Concentrated Anionic Metal Complex Liquid Dyes

Colour Range

Lemon Yellow Orange Pink Fire Red Red Bordo Green Marine Blue Royal Blue Dark Brown Dark Brown G Red Brown Yellow Brown Black G Black

Salient Features & Key Application Areas

High Colour Intensity & Uniformity, High Brilliancy & Depth, Useful In Staining As Well As Colouring Finish Coats, Compatible In Aqueous And Non Aqueous Media, Convenient Toning And Matching, Inter compatibility of all Colours, High Rubfastness, High Resistance To Heat, Light And Water Spotting.

Enhance colour intensity, depth and brilliance to the commendable level in any finish coat from the staining bottom to the top. Thanks to their easy compatibility with aqueous and non- aqueous media, ANIOSPARK are immensely useful for colour adjustments in a variety of leathers. High concentration facilitates ANIOSPARK to modify the tone of leather in relatively small quantities thereby diminishing the unwanted exposure of the leather to the solvents.

REDEFINING

Product & Description

NOVOCOL

Concentrated Anionic Metal Complex Liquid Dyes

Colour Range

Lemon Yellow Orange Pink Fire Red Red Maroon Green Marine Blue Blue Dark Brown Red Brown Brown Yellow Brown Black

DIALENE

Anionic metal complex liquid dyes

Colour Range

Lemon Yellow Yellow Orange Pink Fire Red Bordo Green Blue G Blue Brown Yellow Brown Black Black G Violet

Salient Features & Key Application Areas

Good Colour Intensity & Uniformity, Good Brilliancy & Depth, Applied in Staining as well as colouring finish coats, Compatible in Aqueous and Non Aqueous media, Convenient Toning and Matching, Inter compatibility of all Colours, Good Rubfastness, Good Resistance to Heat, Light and water spotting.

Enhance tinctorial strength, depth and brilliancy in the finish coats starting from staining, base to top. Possess enormous capacity to modify tone and are easily compatible with one another to attain the desired shift in the colour spectrum. Appreciably effective in both aqueous and nonaqueous media.

Brilliant and intense colours with good depth & uniformity, Applied in staining as well as colouring finish coats, Compatible in aqueous and non aqueous media, Convenient toning and matching, Inter compatibility of all colours, Good rubfastness, Good resistance to heat, light and water spotting.

Enhance tinctorial strength and brilliancy in various stages of leather finishing namely staining, base, intermediate season and top coats. Suitable for non-aqueous coats also.

FINISHING RANG



Product & Description

AQUACONC

Highly concentrated anionic aqueous liquid dyes

Colour Range

Lemon XL Yellow R Orange RL Red G Red BR Fischsia X Green N Turquoish Blue G Prussian Blue Navy Blue MRB Olive Green BG Brown 4S Brown RB Dark Brown BRI Dark Brown BSL Yellow Brown 2G Black Black BL Black NS Black G

Salient Features & Key Application Areas

High colour intensity & uniformity, High brilliancy & depth, Useful in staining as well as colouring finish coats, Compatible in aqueous and polar solvents media, Convenient toning and matching, Inter compatibility of all colours, Good rubfastness, Good resistance to heat, light and PVC migration, Low voc.

Meant to colour finishes applied to almost all types of leathers. AQUACONC colours are highly recommended for :- Colouring and enhancina brilliance of aniline, semianiline and pigmented leathers, Shade correction of nubuck and suede leathers, Creating various fashion effects, Providing high depth and excellent brilliance for leather finishing to meet emerging global trends and specifications. Well equipped with excellent toning power, homogeneous dispersion and commendable uniformity. Ready solubility and good emulsion stability render AQUACONC colours highly application friendly and ensure smooth staining and seasoning for mechanized bulk productions of finished leathers

REDEFINING

Product & Description

AQUASHEEN

Concentrated anionic aqueous liquid dyes

Colour Range

Lemon XI Yellow R Orange RL Red G Red BR Fischsia X Green N Turquoish Blue G **Prussian Blue** Navy Blue MRB Olive Green BG Brown 4S Brown RB Dark Brown BRL Dark Brown BSL Yellow Brown 2G Black Black BL Black NS Black G

Salient Features & Key Application Areas

High colour intensity & uniformity, High brilliancy & depth, Useful in staining as well as colouring finish coats, Compatible in aqueous and polar solvents media, Convenient toning and matching, Inter compatibility of all colours, Good rubfastness, Good resistance to heat, light and PVC migration, Low voc.

Meant to colour finishes applied to almost all types of leathers, Shade correction of nubuck and suede leathers, Creating various fashion effects. Ready solubility and good emulsion stability render AQUASHEEN colours highly application friendly and ensure smooth staining and seasoning for mechanized bulk productions of finished leathers.



Product & Description

SPECTRAKAT/ COLORKAT

Highly concentrated cationic liquid dyes

Colour Range

Yellow Golden Yellow Orange Pink Fire Red Red Maroon Green Dark Green Blue G Navy Blue Blue Brown Yellow Brown Black Black RRL

Salient Features & Key Application Areas

High colour intensity, uniformity and brilliancy. Useful in staining as well as colouring cationic finish coats. Refresher for nubuck and suede leathers. Compatible in aqueous and polar solvent media. Convenient toning and matching. Inter compatibility of all colours. Excellent rubfastness.

Designed as chief colouring ingredients for cationic finishing formulations with their outstanding tinctorial strength and brilliancy. Impart rapid uniformity and deepen the colour of the leather surface up to any extent desired. Serves the purpose of readymade refreshers for nubuck and suede articles maintaining elegance, velvety feel and writing nap effects.

REDEFINING

Product & Description

TINCTA VELOUR

Concentrated cationic liquid dyes

Colour Range

Yellow Golden Yellow Orange Pink Fire Red Red Neutral Green Dark Green Neutral Blue Navy Blue Dark Brown Yellow Brown Black Black G Black RRL

Salient Features & Key Application Areas

High colour intensity, uniformity and brilliancy. Useful in staining as well as colouring cationic finish coats. Refresher for nubuck and suede leathers. Compatible in aqueous and polar solvent media. Convenient toning and matching. Inter compatibility of all colours. Excellent rubfastness.

Used in most cationic finishing formulations as the main colouring ingredients. As staining agents TINCTA VELOUR are satisfactorily effective for all sorts of leathers. The tinctorial strength, depth and easy handling properties render TINCTA VELOUR the most sought after products for aniline, semi aniline and other cationic finishes in the industry.



Product & Description	Salient Features & Key Application Areas
TYCON SM Syntan based on modified styrene-maleic co- polymeric resins	Good compact and fine grain, fullness and suppleness, uniform dispersing properties.
	Especially suitable for leathers where good fullness is intended with suppleness and compact grain texture, versatile cyntan for full chrome, chrome re-tan, vegetable tanned and chrome free leathers. Compatible at a wide ph range.
TYCON AF Syntans based on acrylic co-polymers	Very good body and uniform thickness when used in chrome tanning as well as re-chroming. Plumps the leather thereby improving poor substance. Yields fuller bellies along with extraordinary roundness throughout the leather. Enhances grain tightness by filling loose papillary layers and inducts compactness. Produces a fine and elastic grain. Gives good light- fastness.
	The action of TYCON AF is largely dependent on the ph. The optimum ph range for its application is about 3.7-4.2 LE. Slightly acidic. Depending upon the article and the effect desired, the percentage and stage of application may vary as under-1-1.5% Of pelt weight after basification in chrome tanning bath and 4-6% of shaved weight in re-chroming.

REDEFINING

Product & Description	Salient Features & Key Application Areas
TYCON MA Syntans based on acrylic co-polymers	Excellent fullness, plumpness and roundness. Selective filling for loose areas. Unique combination of tight grain with low density (fluffiness). Facilitates run and pliancy.
	TYCON MA has been especially designed for soft segment of leathers including upholstery, softy, shoe nappa and garment nappa, where uniform fullness along with characteristic suppleness is intended. TYCON MA helps naturally to get uniformity of effect in dry milled and tumbled articles as well. A percentage of 2-4% on shaved weight is normally recommended to be used after neutralization in the dyeing bath.
TYCON G-50 Syntan based on modified glutaraldehyde	Produces soft leather with full handle and fine grain. It increases stitch tear resistance and gives suppleness to the leather with smooth grain, when used in pickling and chrome tanning. Enhance the distribution and exhaustion of chrome uniformly. At high ph, it produces shrunken grain effect to the leather.
	TYCON G-50 is very much suitable for all kind of leathers specially for calf skins and nappa type of leathers. TYCON G-50 can be used in pickling bath, re-chroming and in re-tanning depending upon the desired effect.

WET END RANGE



	UNEATING EXCELLENCE
Product & Description	Salient Features & Key Application Areas
CYNTAN FOH	Excellent fullness and roundness, fine compact grain.
Synthetic tanning agent	Suitable re-tanning agent for chrome and vegetable tanned leathers, used alone in quantities ranging from $4 - 12\%$ on shaved weight or in combination with other natural and synthetic re-tanning agents.
CYNTAN F40 Syntans based on acrylic co-polymers	Very good body and uniform thickness when used in chrome tanning as well as re-chroming. Plumps the leather thereby improving poor substance. Yields fuller bellies along with extraordinary roundness throughout the leather. Enhances grain tightness by filling loose papillary layers and inducts compactness. Produces a fine and elastic grain. Gives good light- fastness, enhances the tensile and stitch tear strengths of the leathers.
	Gives very good fluffiness in nappa leathers when used after fatliquoring, avoids double layer problems usually found in sheepskins of certain origins, helps in exhaustion of chrome in chrome tanning or rechroming bath.

REDEFINING

Product & Description	Salient Features & Key Application Areas
CYNTAN CDO	Round handle, good grain tightness.
Acrylic syntan	Suitable for re-tanning a variety of leathers out of sheep, goat, cow, cow-calf, buffalo, buff-calf etc., Very effective in good distribution of dyestuff and controlling grain looseness.
TYCON AR 40 Syntan based on acrylic co-polymers	Excellent softness and fullness, reduces the looseness of the grain, very good round handle, facilitates uniform distribution of dyes, produces a fine and elastic grain, good compatibility with vegetable extracts and synthetic tanning agents.
	It is very much suitable for all kind of leathers out of goat, cow, cow-calf and sheep.



Product & Description	Salient Features & Key Application Areas
CYNTAN AIO Re-tanning compound based on renewable vegetable extracts modified specialty resins	Good level of dispersability, uniform fullness effect and belly filling.
	Produces firm and resilient leathers. It's very good for compact leathers with low stretch and has a fairly good light resistance without oxidation during the drying process which is good for a versatile retaining agent, form soft to firm leathers.
CYNTAN DC	Excellent grain tightness, improved fullness and inhibits drawn grain.
Syntan based on modified dicyandiamide resins	Good buffing and embossing properties, but also maintains requisite absorbency as a favorable response to finishing. Usually employed during main re-tannage post neutralization.
CYNTAN MR Syntan based on modified melamine resins	Excellent filling and grain tightening, resistance to heat and light good body and roundness, buffing and embossing behavior
	Used for all types of leathers where filling and grain tightening are of prime concern. It improves clicking yield by tightening loose belly and flank areas. Highly suits in the manufacturing of good quality nubuck and suede leathers with uniform naps and bright shades. Added to the dye bath after acidification where it imparts an excellent grain tightening effect.

REDEFINING

Product & Description	Salient Features & Key Application Areas
CYNTAN MSC Compound of natural and synthetic tanning	Excellent fine and smooth grain, favours bright and uniform dyeing, good fullness, roundness, mellowness, reactivity and light- fastness
and re-tanning substances	Gives good fullness, roundness and mellowness to the leather and at the same time, has a favorable effect on the dyeing which will be bright and uniform. Giving fine and smooth grain. Used successfully on re- tanning of full vegetable and chrome leather for both softy articles such as shoes nappa and firmer ones such as glazed and burnish.
CYNTAN N Neutralizing syntan	Good buffering, neutralizing and complexing efficacy, favors bright and uniform dyeing, non-yellowing and good light-fastness.
	Anionic rejuvenating agent with good neutralizing and complexing power that binds with chrome and other minerals. Very good leveling properties and is highly suitable for white and pastel shades.
CYNTAN PF Protein based filler	Provides fullness, roundness, smooth and silky touch. Improves buffing, easier finishing.
	Depending on the article and thickness, used in chrome or combined leathers, full as well as corrected grain. Helps to keep moisture. Provides surface and colour uniformity.

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WET END RANGE



Product & Description	Salient Features & Key Application Areas
CELTAN KY Quebracho modified extract	Excellent efficient penetration, yield, higher filling effect, low astringency and easier buffing operation, good fixation and light fastness.
	Gives full body and fullness to the leather. Very good for polishing, burnishing and embossing properties.
CELTAN TB Lightfast vegetable extracts based on tara	Good affinity with the fibre gives tight grain allowing homogeneous dry milling effect, lightfast and has a good resistance to 'colour change' when heating.
	Used in all stages for the production for any articles (E.G., Uppers, garment, lining) it has become the most preferred vegetable base for the production of chrome free automotive, upholstery leathers and sheep skin garment leathers. Re- tanning gives tight and short nap on nubuck and suede leather.
CELTAN CN Highly astringent vegetable type processed pyrogallol extract with high tannin	Excellent fiber compactness and firmness. High iron resistance, yield, filling effect, burnish effect. Improves hydrophobic features, embossing effect, easier buffing operation, groomed handle and smooth surface feel.
content	Chestnut type extract which promotes exceptional tannin fixation on the skin enhancing firmness fiber compactness, low water uptake and outstanding yield for heavy hides.

REDEFINING

Product & Description	Salient Features & Key Application Areas
TYCON F60 Melamine condensation additive	A soft resin in powder form recommended to obtain fullness and evenness of round filling during re-tanning process of chrome tanned leather.
	Suitable for upper, garment, light leathers and sheep skins.
TYCON OS Melamine condensation additive	Excellent fullness with good grain tightness and suppleness of leather. Useful for white and pastel shades.
	Suitable for all stages for the production of any articles (e.G., Uppers, garment,lining etc) as amphoteric replacement syntan.
TYCON R7 Anionic amino resin tanning agent based on dcda for re-tannage of chrome leather	Good filling action particularly in less closely structured parts of the skin, improves the fullness, tighten the grain and improves the feel of the leather, imparts good dye leveling effect thus no problem in dyeing of pastel shades. Due to less astringency it will not disturb the grain, hence the resultant leather will be flat with fine grain. If imparts good surface for buffing and embossing.
	Suitable for all types of leather to get tight grain and to improve the fullness of loosely structured parts of the leather.

WET END RANGE



Product & Description	Salient Features & Key Application Areas
CYNTAN BDS Bleaching agent	Strong bleaching action, promotes cleaner pelts, improves dye leveling and brilliance, minimal effect upon leather strength and structure.
	Used as a bleaching agent on hides, skins and pelts. It's particularly recommended 1- 2% on shaved wet blue weight in the production of full aniline, white and pastel coloured leathers. Unlike permanganate bleaching, CYNTAN BDS doesn't impair tensile strength.
CYNTAN 156	Very good firmness and body, facilitates colour uniformity.
Resin re-tanning agent	Applicable alone or in combination with vegetable extracts and other syntans, usually 3 - 5% on shaved weight.
CYNTAN 321	Excellent filling and buffability.
Re-tanning agent based on protein auxiliaries	Useful for almost all sorts of full grain and corrected grain leathers including chrome tanned, chrome retan and vegetable tanned leathers, usual application slot is just before main fatliquoring in the same bath, very much admired in nubuck and suede leather processing.
CYNTAN 2013 Re-tanning agent absed on natural and synthetic tanning agents	Very good body, belly filling and grain tightness, excellent reactivity.
	Highly suitable for re-tanning chrome tanned as well as vegetable tanned leathers, quantity of application may vary from 10–20% on shaved weight.



Product & Description	Salient Features & Key Application Areas
CYNTAN TSB Modified vegetable extracts including tara pods bleached and micronised	Less astringent than raw tara, softness with good grain tightness, very high resistance to light.
	Retannage with CYNTAN TSB gives good grain closeness and compactness with very good light fastness. Colours obtained are lighter even in combination of other vegetable extracts.
CYNTAN VBC Compound of natural and synthetic tanning agents	Good fullness and roundness, uniform filling effect, smooth fine grain, good reactivity.
	CYNTAN VBC is a compound of natural and synthetic tanning agents appropriately balanced and dispersed with ph regulating agents in order to optimize its reactivity even in the most delicate parts of the leathers.

FATLIQUORS (ANIONIC)



Product & Description	Salient Features & Key Application Areas
LISULINE SEW Blend of phospholipids and multi-charge	Excellent lubrication and softness good light fastness with waxy feel and softness, produces smooth grain and fullness, non yellowing effect and can be used before dyeing.
softners	Unique fatiquor with versatile applications admired in gloving leather segment where white and pastel shades also can be satisfactorily manufactured.
LISULINE AS80 Sulfonated blend of saturated hydrocarbons and synthetic oils	Deep penetration with excellent softness, good fullness and warm handle, light fastness and stability to acids, salts & hard water.
	In varying percentages, LISULINE AS80 may be used for a variety of leathers ranging from gloving, garment nappa, shoe upper to bag leathers.
LISULINE PRS Sulfonated blend of saturated hydrocarbons and natural oils	Excellent softness with fullness and warm handle good penetration and durable lubrication.
	Displays a commendable effect of nutrition in leathers and is highly suitable for a variety of leathers including shoe upper, clothing, gloving and suede. It can be emulsified either in hot or cold water at any proportions.

FATLIQUORS (ANIONIC)

REDEFINING

Product & Description	Salient Features & Key Application Areas
LISULINE KR Fatliquor based on blend of phospholipids & multicharge softners	High lubrication and softness, very good light fastness with waxy feel, produces smooth grain and fullness, non yellowing effect, can be used before dyeing.
	It is a unique fatiquor with versatile applications with good light fastness and softness. It is highly admired in gloving leather segment where white and pastel shades also can be satisfactorily manufactured.
LISULINE SL 50 Fatliquor based on lecithin with special additives	Excellent softness and fluffiness, very good fullness with mellow handle, excellent light weight and pleasing surface touch, silky sheen and velvety touch on suede and nubuck.
	It imparts high degree of softness, fullness and fluffiness to a variety of leathers in varying percentages. It improves pleasing warm handle and imparts writing effect and luster to the naps of suede and nubuck.
LISULINE KRS Fatliquor based on synthetic sulfited and sulfonated esters	Very good softness, excellent feel and high lightfastness. Good for white and pastel shades as well.
	It produces very soft and supple leathers without looseness. Very much suitable for nappa, upholstery and gloving leathers.

WET END RANGE

LIQUID DRUM DYES (ANIONIC)



Product & Description

AQUADRUM

Concentrated Anionic Aqueous Liquid Dyes for Drum Dyeing

Salient Features & Key Application Areas

Good Colour Intensity, Uniformity and Brilliancy, Excellent Penetration, Good Fixing & Exhaustion, Inter compatibility of all colours, Handling Convenience, Significant reduction in rejections due to Non uniformity from conventional powder dyestuff process, Significantly less contribution of salts in effluent against conventional powder dyestuff process, High Clicking Yield, Usually applied between 1% to 8% of shaved wet blue weight depending on thickness and required colour strength.

AQUADRUM are composed of well selected and highly concentrated dyes responsible for high brilliance and depth in especially designed carrying media. The penetration and distribution in the leather collagen matrix are highly commendable which result in uniform dyeing with good fastness characteristics. The fixing and exhaustion properties too are found immensely satisfying.



The Chemcrown Group's presence in the Shoe Industry



Matrix Stampi Ltd

Customized Mould Manufacturing with Perfect Design & Precision for Soles of Shoes & Sandals

Matrix Stampi is India's leading mould-manufacturer and specialises in the production of casts and mechanical moulds for soles in PU, PVC, TPR and Leather inserts and Heels.

Matrix Stampi has state-of-the-art CNCs, VMCs, 3 D printers & the best team of designers, that give it an edge over other mould manufacturers.



Suolificio Linea Italia Pvt Ltd

Soles & Heels Manufacturing for Shoes & Sandals in TPR, PU PVC with Leather inserts

Sublificio Linea Italia is the largest premium sole manufacturer in India and was started as an Indo-Italian Collaboration between Nuovo Linea, Squadroni and the Chemcrown Group. We have the widest collection of soles in the country and supply to the world's leading brands.

OUR GLOBAL NETWORK

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