



We Bridge
Chemistries.....

Foreword

The brochure in your hand gives you an overview of K-TECH's sales range for Leather Finishing Additives and Auxiliaries.

K-TECH's products have been displayed here with their respective trade names & trade marks with grades, type technical function and applications.

K-TECH's sales range of speciality additives & speciality chemicals are showcasing some hundreds of well-proven and established product brands based on concepts and ideas nurtured over 25 years in research, development and applications in discerning fields of chemical technologies.

K-TECH's speciality additives & speciality chemicals are carefully designed, produced, validated and recommended to industry to help solve their technical problems and position the user, cut above the class in a state of art situation in their respective product line and businesses.

K-TECH's speciality additives & speciality chemicals are being offered to industries like Paints & Coatings, Printing Inks, Pigments, Polymer (plastics & Rubbers), Textile, Leather, Pulp & Paper, Constructions, Oilfields, Sugar, Ceramics and other Process Chemical Industries worldwide.

K-TECH's speciality additives & speciality chemicals business organization have been structured into industry oriented business group to meet challenges of future.

Speciality Additives Division Business Groups

- Speciality Paints & Coatings Additives
- Speciality Printing Ink Additives
- Speciality Polymer & Rubber Additives
- Speciality Allied Additives

Speciality Chemicals Division Business Groups

- Speciality Textile Chemicals
- Speciality Leather Finishing Additives
- Speciality Paper & Pulp Chemicals
- Speciality Process & Functional Chemicals
- Speciality Pigment Synergist

Precisely & Carefully Standardized quality products backed up with dependable, proven and timely technical services, are the integral part of K-TECH's business philosophy.

For more detail like samples, product technical data sheet, material safety data sheets, application help and commercial enquires (price, packing, lead time, terms & conditions) customers are requested to contact us at our nearest Sales Agent, Regional Technical Advisors, Technical Service Center or Marketing Offices.



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LEATHAUX™ Series The proven speciality additive range to promote specific parameters, properties and effect in leather finishing operations.

The brief description of **LEATHAUX™** product range is given for perusal of leather tanning & leather finishing experts.

Wetting & Dispersing Additives

LEATHAUX™ K-7000 series are wetting & dispersing additives that promote wetting, dispersion and prevent floating, flooding & settling of pigments, fillers and mattening agents in coating formulations.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7001	Acrylic Aqueous	Modified acrylic homo polymers based dispersion for direct grinding of Fillers & In-organics, Pigment paste formulations.
LEATHAUX™ K-7010	Acrylic Aqueous	Direct grinding of Pigments, Fillers & In-organics, Pigment paste formulations.
LEATHAUX™ K-7024	Cationic Aqueous	Cationic polymeric surfactant for direct grinding of Pigment Concentrates & Fillers preparations.
LEATHAUX™ K-7037	Anionic Aqueous	Modified Polymeric surfactant for direct grinding of Pigments & Fillers.
LEATHAUX™ K-7043	Polymeric Aqueous	High molecular PU dispersant for direct grinding of Organic Pigments, Suitable for NC-Lacquers & NC pigment paste.
LEATHAUX™ K-7051	Polymeric Aqueous	Anionic Acrylic surfactant for direct grinding of Pigment Concentrates, Organics and In-organics in combination with LEATHAUX™ K-7043.

Foam Control Agents

Foam are state gas dispersion in liquid foam stabilization due to pressure of surfactants that surround air bubble forming foam lamellae as well as repulsive electrostatic forces Gibbs elasticity. Foam in leather finishing is generated due to application (Pad, Roller Coaters and Curtain Coating machine) techniques.

LEATHAUX™ K-7100 series are defoamer for aqueous application which prevent & kill foam formation during finishing operations.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7100	Aqueous	Modified silicone with defoamers for Clear PU Binder, Casein Binder, Acrylic-PU, Pigment Conc. Classical leather finishes.
LEATHAUX™ K-7108	Aqueous	Non-silicone defoamers for use in Pigment Concentrate, Direct Grinding, pure Acrylic, Acrylic-PU Classical & Novelties in leather finishes.
LEATHAUX™ K-7127	Aqueous	Silicone modified defoamers for Pigment Concentrate, PU, Acrylic-PU, Casein, Clear, Styrene Acrylics.
LEATHAUX™ K-7132	Aqueous	Modified silicone based defoaming material for Pigment Concentrate PU, Acrylic-PU, Casein, NC Clear, Pigments.
LEATHAUX™ K-7141	Aqueous	Silicone modified defoamers for Pigment Concentrate, Direct grinding.
LEATHAUX™ K-7150	Aqueous	Suitably modified siloxanes based defoamers for Pigment Grinding, Casein, NC, Acrylics.



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De-aerators

Micro-foams are caused in high viscosity and high Solid systems, deaerators prevent micro-foams and pinholes in leather finishing.

LEATHAUX™ K-7200 Series are inhibitors for mini-blisters & micro-foams.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7208	Solvent	Non-silicone de-aerators for 2 Pack-PU, NC, Pigmented Coatings.
LEATHAUX™ K-7213	Aqueous	Modified silicone emulsion with de-aerating agent for Acrylics, Styrene Acrylics, Pigmented.
LEATHAUX™ K-7222	Aqueous	Non-silicone defomers for 2 Pack-PU, Acrylic, NC, Acrylic-PU, Clear & Pigment Coatings.

Synthetic Tanning Agents

LEATHAUX™ K-7260 series are synthetic tanning agents specially formulated for wider application on variety of leathers.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7260	Anionic /Aqueous	Modified acrylic copolymer for pre-tanning agent for veg. tanned leathers.
LEATHAUX™ K-7262	Anionic /Aqueous	Acrylic co-polymer for retanning of all type of chrome leather.
LEATHAUX™ K-7276	Anionic /Aqueous	Light fast co-polymer acrylic modified for Re-tanning system for making chrome leathers full & resilient.
LEATHAUX™ K-7280	Anionic /Aqueous	Light fast modified acrylics for leathers in pre-tan, self-tan & re-tan.

Touch, Handle & Feel Modifiers

Touch, Handle & Feel modifiers play very important & crucial role in leather finishing. They enhance aesthetic value of leather as well as feel, the look and surface touch. Following speciality additives are suitable for solvent & water based system.

LEATHAUX™ K-7300 series are classical finishing additive for value addition.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7303	Cationic /Aqueous	Modified silicone preparation for typical Silicone Handle, Slippery, Soft touch.
LEATHAUX™ K-7307	Cationic /Aqueous	Silicone Handle, Soft, Anti-block.



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Touch, Handle & Feel Modifiers

LEATHAUX™ K-7300 series are classical finishing additive for value addition.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7312	Aqueous / Solvent	Silicone modified to give Silicone Handle, pleasant touch.
LEATHAUX™ K-7316	Aqueous / Anionic	Silicone Handle, Anti-dust, Scratch proof.
LEATHAUX™ K-7321	Aqueous	Silicone Handle, water repellent, stickiness free.
LEATHAUX™ K-7325	Aqueous	Silicone Handle, dry & slippery feel.
LEATHAUX™ K-7330	Aqueous	Typical Silicone Handle, Improves tape test.
LEATHAUX™ K-7334	Aqueous	Warm Silicone Handle, good rub fastness.

Flow & Levelling Agents

Most important function in leather finishing is levelling, evenness & adhesion. It is important to reduce surface tension to improve penetration. Flow & levelling is a surface control additive to increase levelling in solvent & water based coating.

LEATHAUX™ K-7400 series consist of multi-purpose flow & levelling agents as detailed below :

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7411	Anionic Aqueous	Modified silicone polymer Slip, Flow, Silicone Handle by Spray & Roller.
LEATHAUX™ K-7450	Anionic Aqueous	Modified acrylic polymer Levelling agent for acid & direct dye.
LEATHAUX™ K-7451	Cationic Aqueous	Additive to improve dye penetration, levelness, less colour bleach improves dye fixing.
LEATHAUX™ K-7452	Cationic Aqueous	Additive for fixing of anionic dye, fat liquors & vegetable tannins.



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Wetting & Anti-Cratering Agents

Wetting & Anti-Crater agents are leather pre-primers to top coats to wet-out various surfaces, even those having oil & dirt surfaces defects such as crawling & craters are eliminated to achieve better flow, wetting, levelling & adhesion.

LEATHAUX™ K-7500 series are suitable for leather with growth mark, wrinkles, defects etc.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7501	Aqueous/ Solvent	Fluro surfactant based preparation Strong anti-cratering effect suitable for highly defective grain leathers.
LEATHAUX™ K-7510	Aqueous	Medium filling & anti - cratering effect.
LEATHAUX™ K-7519	Aqueous	Moderate anti - cratering effect for full grain leathers only.
LEATHAUX™ K-7532	Aqueous/ Solvent	Wetting, Anti - crater, Flow by Spray & Roller coater Application.

Emulsifiers

Emulsifiers are key to success in making stable emulsions. Particularly, nitrocellulose sealers are important as leather finishes. Although, their solvent content is less yet their wet rub is poor therefore use of emulsifiers whose wet rub is good is important in leather finishing.

LEATHAUX™ K-7600 series are highly suitable for emulsifying nitrocellulose solutions in water.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7600	Aqueous/ Solvent	Modifeid non E.O.Ethoxylate for Nitrocellulose emulsions with excellent wet rub resistance.
LEATHAUX™ K-7613	Aqueous/ Solvent	Non- ionic emulsifier with varying HLB Values for Nitrocellulose emulsions stability, excellent wet rub resistance.

In-can Preservatives

Leather finishing is carried out in aqueous phase with lot of ingredients susceptible to microbial spoilage by a host of bacteria such as pseudomonas & fungi grow in leather finishing formulations and use of preservatives which are ecofriendly, are essentials for quality leathers.

LEATHAUX™ K-7700 series are recommended for use in soaking, tanning, fat-liquoring & finishing.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7703	Solvent Aqueous	Halogenated preparation for in-can preservation, Anti-fungal & Anti-bacterial. The product can be used as preventive coat for finished leather articles.
LEATHAUX™ K-7712	Aqueous	Iso-Thizolone based preparation for in-can preservation, good anti-fungal & anti-bacterial properties to prevent bacterial damage of hides/ skins.
LEATHAUX™ K-7714	Aqueous/ Solvent	Thiocynate based preparation to control Bacterial growth & Fungus growth in leather.



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In-can Enzymes

Proven range of Selected Speciality Enzymes for leather finishing operations

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7730	Aqueous	Alkaline bating enzyme active at pH 8-9.5 Temp 30°C- 40°C, Time 60-90 minutes for Goat skin (upper,Nappa, Glove) & Cattle hides (Upper& Nappa).
LEATHAUX™ K-7733	Aqueous	Effluent treatment enzyme. active at pH 5.5 - 9.0, temp 20°C - 50°C dosage needs to be optimized depending on equipments, process & nature of waste output.
LEATHAUX™ K-7735	Aqueous	Acid bating enzyme active at pH 5-7, temp 30°C- 40°C for Goat, Sheep, Cow & buffalo.
LEATHAUX™ K-7738	Aqueous	Soaking enzyme active at pH 7.7-9.5, temp 20°C-30°C for wet salted, dry salted & air dried Hides / Skins.
LEATHAUX™ K-7739	Aqueous	Degreasing enzyme for leather. active at pH 7.0-11.0 temp 15-35°C suitable for all types of pelt where natural grease pose problem for subsequent operations.

Penetrators, Softeners & Auxiliaries

Penetrating agents are used in glaze & resin systems to obtain even shade and better depth while spray dyeing, improves adhesion also.

LEATHAUX™ K-7700 series encompasses wide variety speciality products as under:

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7744	Aqueous Anionic	Multi surfactant blends for Resin finish for uniform dyeing & for better depth, helps penetration on corrected grain and full grain leathers.
LEATHAUX™ K-7757	Aqueous	Good grain filling effect, Improves scuff resistance.
LEATHAUX™ K-7762	Aqueous	Gives high luster, good dry & wet rub incorporation in binder reduce tackiness, hot plating leaving a uniform look by forming continuous film.
LEATHAUX™ K-7780	Cationic Aqueous	Paraffin cationic wax emulsion for finishing proteins, PU & PVA binders.
LEATHAUX™ K-7781	Aqueous	Carnauba based anionic wax emulsion for finishing with acrylic, PU, PVA, Casein binder.
LEATHAUX™ K-7785	Aqueous	Casein binder for reducing tack & improve hardness of acrylic film.



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Fat Liquors

Fat liquoring is the last wet shop operation and fat liquor act as lubricant to leather fibre & fibrills.

LEATHAUX™ K-7800 series suitable for comprehensive range of fat liquours suitable for all types of leather.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7802	Anionic	Natural oil based suitable for upper leathers with medium softness.
LEATHAUX™ K-7807	Anionic Aqueous	Synthetic oil, highly penetrative, recommended for saddlery and shoe Nappa leather.
LEATHAUX™ K-7811	Anionic Aqueous	Semi- Synthetic fat for suede gloving, white and pastel coloured leather.
LEATHAUX™ K-7834	Anionic Aqueous	Oxy sulphated fatliquor for full grain suede garment gloving, white leather, upholstery leathers.

Impregnating Agents & Binders

Impregnating agents are designed to improve grain break of corrected surface leathers. Combination of PU - Acrylic yields better quality of durable finish.

LEATHAUX™ K-7900 series are recommended for impregnation and finishing of upper & other variety of leathers.

Product Name & Grade	System Phase	Applications
LEATHAUX™ K-7930	Anionic	Acrylic emulsion polymer for Impregnation, medium size film with good cold crack resistance.
LEATHAUX™ K-7934	Anionic / Aqueous	Modified Acrylic emulsion polymer for Impregnation, Very soft & film with good cold crack resistance.
LEATHAUX™ K-7943	Aqueous	Specially modified Acrylic emulsion polymer as Finishing binder for base coat, pigment coat, suitable for full grain nappa / upper furniture / corrected grain upper / garment nappa.
LEATHAUX™ K-7952	Aqueous	Modified Polyurethane dispersion for very soft, less stretchy base coat, formulation with pigment. Ideal for full grain nappa / upper / shoe nappa / upholstery.