LEATHER

TECHNICAL PRODUCT INFORMATION

Schill+Seilacher
struktol

SOLUTIONS | TAILORMADE | WORLDWIDE

INNOVATIVE TECHNOLOGY FOR LEATHER

Although the preservation of animal skins was carried out to form the first clothing from the early beginnings of mankind, the first known articles made of vegetable tanned leather were discovered on the banks of the River Euphrates and date back to 3300 BC. Schill and Seilacher´s involvement in the leather industry started some 5.000 years later in 1877.

Today Schill+Seilacher's innovative product range allows the production of high specification leather for use in the aircraft, automotive and furniture industries with emphasis on the use of raw materials from sustainable sources.

Furthermore products for water-resistant shoe, gloving and garment leathers belong, along with the more classic materials, to the very extensive range of auxiliaries, encompassing the requirements for the wet processing of leather.

Experience, know-how and innovative techniques ensure the production of agents for refining leather as required and make us a reliable partner for the industry.

	Product name	Composition	Active substance	Charge
Beamhouse: Biocide	AFROTIN CRO	Blend of emulsifying and fungicidal components based on TCMTB	---	nonionic
	VINKOL MK	Benzisothiazolinone in glycolic solution	57 – 61%	nonionic
Beamhouse: Soaking	AGLUTAN SRP	Compounded alkaline proteases	> 98%	anionic
	AGLUTAN PR	Compounded proteases	> 98%	anionic
	VINKOL PC	Combination of proteolytic enzymes	> 98%	anionic
	VINKOL A	Combination of proteolytic enzymes with additives	> 98%	anionic
	VINKOL LV	Selected polyoles and hydrotropica in aqueous solution	---	---
Beamhouse: Unhairing	VINKOL MTV	Aqueous solution with sodium mercaptides	---	---
	VINKOL TGV	Organic sulphur compounds with synergistic additives	---	---
	VINKOL CO	Mixture of organic thiols and salts	> 95%	anionic

pH (10%)	Appearance	Short description
2,0 – 5,0	Brown liquid	Fungicide for hides, skins and furs.
8,0 – 10,0	Clear, light brown liquid	Biocide for hides, skins and furs - free of AOX / PCP and formaldehyde.
9,0 – 11,0	Light beige powder	Liming auxiliary with alkaline tolerant proteases for low-sulphide liming processes.
9,5 – 10,5	Light beige powder	Soaking / Liming auxiliary for cleaner pelts with integrated buffering system.
10,0 – 10,5	Beige powder	Soaking and liming auxiliary for cleaner pelts with integrated pH regulating system.
7,5 – 8,5	Off white powder	Soaking / Liming auxiliary for clean and flat pelts.
7,0 – 8,0	Clear, colourless to yellowish liquid	Special product to prevent and reduce pronounced veins.
10,5 – 12,5	Clear, yellowish liquid	Economic liming auxiliary with reductive properties for low-sulphide processing.
8,0 – 10,0	Clear, pink liquid	Mild action liming auxiliary with reductive properties for low-sulphide processing.
9,0 – 11,0	Off-white powder	Economical liming auxiliary with reductive properties for low sulphide processing

	Product name	Composition	Active substance	Charge
Beamhouse: Other Products	AGLUTAN SO NEW	Proteolytic enzymes standardized with organic carriers	---	---
	VINKOL GFA	Sulfonate of modified castor oil	42 – 46%	anionic
	VINKOL LBA NEW	Derivatives of phosphonic acids in aqueous solution	---	---
Beamhouse: Degreasing	PRISTOLAMIN TA	Amphoteric derivatives of fatty acids	53 – 57%	amphoteric
	SILASTOL 380	Organic phosphorous ester	88 – 92%	slightly anionic
	SILASTOL E	Anionic emulsifying agent	26 – 30%	anionic
	SILASTOL EC	Nonionic emulsifying agent	88 – 92%	nonionic
	SILASTOL ELN	Anionic and nonionic emulsifiers	48 – 52%	anionic
	SILASTOL E7	Nonionic emulsifying agent	67 – 71%	nonionic
	SILASTOL R 226	Mixture of alkanesulphonates	28 – 32%	anionic

pH (10%)	Appearance	Short description
---	Beige powder	Acid bating agent.
6,5 – 8,5	Clear to slightly turbid red-brown oil	Emulsifying system with excellent dispersing properties to optimise liming and tanning processes. Prevent scuffing.
0,5 – 1,5	Clear, colourless to yellowish liquid	Special product for the beamhouse to prevent lime-blast.
8,0 – 10,0	Yellowish, viscous, slightly turbid liquid	Emulsifying system with excellent chrome-stability and masking effect for optimum distribution of chrome and natural fat.
6,0 – 8,0	Yellow-brown oil	Emulsifying system for reduction of chrome soaps.
5,0 – 9,0	Colourless to light yellowish, clear liquid	Soaking auxiliaries for leather. Degreasing, wetting and washing agents for furs.
5,0 – 8,0	Colourless, light yellowish, clear liquid	Surfactant and emulsifying agent for soaking, liming and degreasing of pelts, based on sustainable raw materials.
5,0 – 8,0	Yellowish, slightly turbid liquid	Soaking auxiliary for non fogging leather. Degreasing, wetting and washing agent for furs.
5,0 – 8,0	Colourless, light yellowish, clear liquid	Surfactant and emulsifying agent for soaking, liming and degreasing of pelts, based on sustainable raw materials.
6,0 – 8,0	Yellowish, clear to slightly turbid liquid	Leather auxiliary especially designed for use on crust leathers with vegetable pretannage.

	Product name	Composition	Active substance	Charge
Tanning: Wet white tanning	**DERUGAN AMF**	Mixture with glutaraldehyde and additives	60 – 66%	nonionic
	DERUGAN 2080	Mixture with glutaraldehyde	56 – 60%	nonionic
	DERUGAN 3080	Mixture with glutaraldehyde	56 – 60%	nonionic
	DERUGAN 4080	Selected polyoles with glutaraldehyde	44 – 48%	nonionic
	DERUGAN PA	Formulated acrylate emulsion with glutardialdehyde	47– 51%	nonionic
	UKATAN 24	Glutaraldehyde solution	23 – 27%	---
Tanning: Chrome tanning	**DERUGAN Z**	Styrene acrylate emulsion with glutaraldehyde	19 – 23%	nonionic

pH (10%)	Appearance	Short description
3,0 – 5,0	Clear, colourless-light yellowish liquid	Malodour eliminating tanning agent for automotive leather.
3,0 – 5,0	Clear, colourless to light yellowish liquid	Pretanning and retanning agent for all types of leather, especially wet white.
3,0 – 5,0	Clear, colourless liquid	Pretanning and retanning agent for all types of leather, especially wet white. Free of any VOC.
3,0 – 5,0	Clear, colourless liquid	Pretanning and retanning agent for all types of leather, especially wet white. Free of any VOC.
3,0 – 4,0	White liquid	Pre- and retanning agent for all types of leather, especially wet white with improved grain quality.
2,0 – 5,0	Clear liquid	Pretanning and retanning agent for all types of leather.
3,0 – 4,0	Milky liquid	Chrome saving polymer with tanning components for the use in the pickle to improve chrome exhaustion. Retanning agent for all types of leather to improve grain-tightness and fullness.

	Product name	Composition	Active substance	Charge
Retanning: Polymers	DERUGAN GT	Aqueous copolymer dispersion	34 – 38%	anionic
	DERUGAN NB	Aqueous acrylic copolymers	33 – 37%	anionic
	DERUGAN ND	Aqueous copolymer solution	18 – 22%	anionic
	DERUGAN NF	Maleic acid styrene copolymer ammonium salt	18 – 22%	anionic
	DERUGAN NG	Maleic acid styrene copolymer sodium salt	33 – 37%	anionic
	DERUGAN NT	Aqueous copolymer solution	20 – 24%	anionic
Retanning: Syntans	UKATAN AG	Formulated dicyandiamide resin	> 94%	anionic
	UKATAN AM-W	Phenol derivatives and buffering substances	> 93%	anionic
	UKATAN MD	Melamine based resin with inorganic fillers	> 94%	anionic
	UKATAN GA	Naphtalene-free condensate-product	> 92%	anionic

pH (10%)	Appearance	Short description
3,5 – 6,5	Homogeneous, milky emulsion	Defect levelling and grain-tightening agent for leather surfaces. Applicable in chrome floats.
6,0 – 8,0	Yellow-brown, slightly turbid liquid	Retanning agent based on polymers to improve grain-tightness and fullness.
7,0 – 9,0	Yellowish, viscous liquid	Retanning agent based on polymers to improve grain-tightness and fullness especially in the loose parts of the skin.
7,0 – 9,0	Yellow, turbid liquid	Retanning agent based on polymers to improve fullness and tightness of the grain – especially in the loose parts of the skin – combined with a light and fluffy leather character.
7,0 – 9,0	Yellowish, turbid liquid	Retanning agent based on polymers to improve fullness and tightness of the grain – especially in the loose parts of the skin – combined with a firmer leather character.
6,0 – 8,0	Yellowish, slightly turbid liquid	Economic retanning agent based on polymers to improve grain-tightness.
8,5 – 10,5	Fine, light beige powder	Resin for the retannage of chrome-leather to improve fullness.
3,0 – 5,0	White powder	White syntan, for to near zero emission, car upholstery leather with excellent light fastness and heat resistance.
9,0 – 11,0	Light beige powder	Resin for the retannage of chrome-leather to improve fullness, for firmer leather.
5,0 – 8,0	Yellow-brown powder	Dispersing agent for vegetable tanning agents and resins. Levelling agents for even dyeing and good penetration of the dyestuff. Conditioner used in synthetic pretanning.

	Product name	Composition	Active substance	Charge
Retanning: Syntans	**UKATAN GMF**	Blended aromatic condensate	> 93%	anionic
	UKATAN INF	Phenolic condensates with natural additives	93 – 98%	anionic
	UKATAN NR	Phenolic compounds and buffering substances	> 94%	anionic
	UKATAN PRE	Sodium aluminium silicate	> 90%	---
	UKATAN SLH	Phenolic based syntan	> 93%	anionic
	UKATAN SLT	Dihydroxydiphenyl-sulfone condensate	> 92%	anionic
	UKATAN SWL	Solution of condensated aromatic sulphonic acids	38 – 42%	anionic

pH (10%)	Appearance	Short description
3,5 – 6,0	Yellow-brown powder	Dispersing agent for vegetable tanning agents and resins. Levelling agent for even dyeing and good penetration of the dyestuff. Conditioner used in synthetic pretanning.
3,0 – 5,0	Yellow-brown powder	Multi-purpose replacement syntan to improve grain-tightness and fullness of the leather.
6,0 – 9,0	Fine, white-yellowish powder	Neutralising agent and dyeing auxiliary.
10,0 – 12,0	White powder	Aluminium-based tanning- and retanning agent.
3,0 – 5,0	White to off white powder	Multi-purpose white syntan with excellent light fastness and heat resistance.
3,0 – 5,0	Beige powder	Multi-purpose replacement syntan with good light fastness and heat resistance.
3,0 – 5,0	Amber coloured solution	Liquid, multi-purpose replacement syntan with good light fastness and heat resistance.

	Product name	Composition	Active substance	Charge
Leather softener: Lecithin based	**LIPSOL MSG**	Combination of synthetic and natural softening agents	86 – 90%	anionic
	LIPSOL MPA	Modified phospholipids from sustainable sources	88 – 92%	anionic
	LIPSOL LQ	Natural softeners and modified lecithin	88 – 93%	anionic
	LIPSOL LU	Natural softeners and modified lecithin	85 – 89%	anionic
	LIPSOL SI	Emulsified oils, nonionic emulsifiers and modified lecithin	85 – 89%	anionic
	LIPSOL SQ	Modified lecithin with synthetic emulsifiers	89 – 93%	anionic
	LIPSOL SQS	Modified lecithin and natural softeners with synthetic emulsifiers	88 – 92%	anionic
	LIPSOL SQX	Modified lecithin with synthetic emulsifiers and oxidation protectors	88 – 92%	anionic
	LIPSOL QLN	Lecithin, emulsifiers and oils in aqueous emulsion	---	anionic
	OSSIPOL LN	Nonionic combination of lecithin with emulsifiers	61 – 64%	nonionic
	OSSIPOL LNR	Anionic combination of lecithin and alkane-sulfonates	88 – 92%	slightly anionic

pH (10%)	Appearance	Short description
6,0 – 8,0	Brown turbid oil	Sustainable based, economic, low offer concentrate with high softening properties and good fogging characteristics. For all types of leather.
6,0 – 8,0	Slightly turbid, liquid oil of amber colour	Sustainable concentrate with high softening properties and lowest possible VOC load in automotive leathers.
6,0 – 8,0	Slightly turbid, liquid oil of brown colour	Sustainable concentrate with high softening properties, especially for low-fogging automotive leathers.
6,0 – 8,0	Slightly turbid, liquid oil of amber colour	Sustainable concentrate with high softening properties for upholstery leather.
6,0 – 8,0	Slightly turbid, liquid oil of amber colour	Fatliquor with high softening properties for upholstery leather.
6,0 – 8,0	Turbid, liquid oil of brown colour	Concentrate with high softening properties, especially for low-fogging automotive leathers.
6,0 – 8,0	Liquid oil of brown colour	Concentrate with high softening properties and positive influences to tear resistance. Stable to electrolytes and mineral tanning agents in normal concentrations.
6,0 – 8,0	Turbid, liquid oil of brown colour	Concentrate with full oxidation protector and high softening properties. Flexible applications from pre-fatliquor in pickle to the main-fatliquor in the retanning bath.
6,0 – 8,0	Yellow-brown emulsion	Economic lecithin oils for all types of fluffy leather with smooth grain.
7,0 – 9,0	Yellow-brown paste	Lecithin oils for all types of soft fluffy and light weight leather with smooth grain.
6,0 – 9,0	Viscous, dark brown, slightly turbid oil	Lecithin oils for all types of soft and fluffy leather with silky grain.

	Product name	Composition	Active substance	Charge
Fatliquors: Marine oils	**LIPSOL E**	Sulphited special fish oil and emulsifying additives	68 – 72%	anionic
	LIPSOL EB	Sulphited special fish oil with emulsifiers and nonfogging oils	76 – 80%	anionic
	LIPSOL EKF	Sulphited special fish oils	90 – 94%	anionic
	LIPSOL EM	Sulphited special marine oil and additives	72 – 76%	anionic
	LIPSOL EW	Sulphited fishoil, natural oils and special emulsifiers	64 – 68%	anionic
Fatliquors: Synthetic oils	**LIPSOL AOS**	Synthetic emulsifiers and oils	53 – 57%	anionic
	LIPSOL ABA	Stabilized paraffin emulsion	60 – 64%	anionic
	LIPSOL ADP	Aqueous amphoteric acrylate and polymers	33 – 37%	amphoteric
	LIPSOL ARG	Synthetic emulsifiers and oils	61 – 65%	anionic
	LIPSOL BG	Alkanesulfonates, alkylphosphates and neutral oils	72 – 76%	anionic
	LIPSOL BSFR	Alkanesulfonates, synthetic oils and emulsifiers	65 – 68%	anionic
	LIPSOL BXO	Alkanesulfonates, emulsifiers, synthetic oils and oxidation protector	56 – 60%	anionic

pH (10%)	Appearance	Short description
5,0 – 7,0	Red-brown oil	Classic fatliquor, with excellent chrome-stability, for soft leathers.
5,0 – 7,0	Clear to slightly turbid red-brown oil	Universal fatliquor with excellent chrome-stability for all kinds of leather.
5,0 – 8,0	Red-brown oil	Fatliquor for all types of soft leather including vegetable tanned leathers.
5,0 – 7,0	Clear amber oil	High quality, chrome stable fatliquor for soft leathers.
5,0 – 7,0	Almost clear red-brown oil	Fatliquor with excellent chrome-stability for leathers, especially from skins.
5,0 – 7,0	Clear yellow, slightly turbid oil	Fatliquor for car upholstery leather supporting highest demands of light-fastness, VOC and odour.
5,0 – 7,0	Viscous, yellow liquid emulsion	Fatliquor for very soft, free of chrome and chrome leathers. Especially garment leathers.
5,5 – 7,5	Yellow, clear oil	Special polymer fatliquor for all types of leather with high surface quality and intensiv colours.
5,0 – 7,0	Clear yellow, slightly turbid oil	Fatliquor for car upholstery leather supporting highest demands of light-fastness, VOC and odour.
6,0 – 8,0	Clear, yellow oil	Fatliquor for soft nappa, especially suede leather.
7,0 – 8,5	Clear, yellow oil	Basic fatliquor for all types of shoe leather, especially tight-grain upper leather. Free of AOX.
6,0 – 8,0	Yellow, almost clear liquid	Synthetic fatliquor with full oxidation protector for shoe upper leather.

Fatliquors: Synthetic oils

Product name	Composition	Active substance	Charge
LIPSOL ES	Alkanesulfonates, hydrocarbons and fatty alcohol sulfate	58 – 62%	anionic
LIPSOL FT-10	Synthetic emulsifiers, oils and additives	61 – 65%	anionic
LIPSOL FT-20	Synthetic emulsifiers, oils and additives	61 – 65%	anionic
LIPSOL HP	Selected hydrocarbons emulsified with special polymeres	36 – 40%	anionic
LIPSOL MSW	Thermo stable esters and synthetic oils	63 – 67%	anionic
LIPSOL SC	Sulphonated, natural and synthetic oils	53 – 57%	anionic
LIPSOL STO	Mixture of synthetic emulsifiers with neutral oils	46 – 50%	anionic
NEOPRISTOL EWK	Alkylphosphates with solvents	---	anionic
NEOPRISTOL SWF	Alkylphosphates, neutral oils and alkanesulfonates	60 – 64%	anionic
NEOPRISTOL SWK	Alkylphosphates and synthetic neutral oils	62 – 66%	anionic
NEOPRISTOL SWR	Alkylphosphates with neutral oils	62 – 66%	anionic
VINKOLAMIN C	Synthetic oils with quarternary ammonium salts	70 – 73%	cationic

pH (10%)	Appearance	Short description
6,5 – 8,5	Yellow, clear to slightly turbid oil	Fatliquor with excellent stability to acids and salt, dispersing natural grease and stabilising fatliquors.
5,0 – 7,0	Clear yellow, slightly turbid oil	Automotive fatliquor with inbuilt odour control system. Quite natural supporting highest demands of light-fastness , VOC and FOG.
5,0 – 7,0	Clear yellow, slightly turbid oil	Fatliquor, absorbing unwanted odors in automotive leather. Of course supporting highest demands of light-fastness, VOC and FOG.
5,0 – 7,0	Off white emulsion	High performance fatliquor for car upholstery leather supporting highest demands of light fastness and fogging.
7,0 – 9,0	Milky, viscous, yellow oil	Highly effective fatliquor for white or pastel shade shoe upper and upholstery leather.
7,0 – 9,0	Turbid brown oil	Multipurpose fatliquor for soft shoe upper leathers with intensive colours.
7,0 – 9,0	White emulsion	Fatliquor, with excellent stability to mineral tanning agents, for the production of all types of leather. Disperse effect for natural grease.
7,0 – 9,0	Light yellow, viscous, slightly turbid oil	Fatliquor for all types of soft and light leather like sheep or bovine garment nappa to avoid stains and provide better dispersing of the fatliquoring float.
7,0 – 8,0	Yellow, almost clear liquid with fluorescence	Fatliquor for very soft leathers especially garment from skins.
5,0 – 7,0	Yellow, viscous, slightly turbid oil	Fatliquor for very soft leathers especially garment- and nappa leathers.
5,0 – 7,0	slightly turbid, yellow coloured gel	Economic fatliquor for very soft leathers especially garment- and nappa leathers.
6,0 – 8,0	Off white paste	Cationic fatliquor for the initial fatliquoring of suede, nubuk, hunting and velvet leathers. Surface fatliquor for all types of leather.

	Product name	Composition	Active substance	Charge
Fatliquors: Combinations	**LIPSOL KM**	Natural and synthetic oils with emulsifiers and silicones	42 – 46%	anionic
	LIPSOL LB	Emulsified natural oils and lanoline	48 – 52%	anionic
	LIPSOL LX	Sulphited fishoil and lecithins	40 – 44%	anionic
	LIPSOL RND	Natural and synthetic oils with emulsifiers and selected silicones	42 – 46%	anionic
	NEOPRISTOL BLP	Alkylphosphates with natural and synthetic oils	43 – 47%	anionic
	NEOPRISTOL MMX	Mixture of polymers with natural and synthetic oils and emulsifiers	38 – 42%	anionic
	NEOPRISTOL MSK	Emulsion of lecithin with alkylphosphates	---	anionic

pH (10%)	Appearance	Short description
5,0 – 7,0	Yellow-brown emulsion	Fatliquor compound for garment and gloving leather.
7,0 – 9,0	Yellow brown paste	Fatliquor with waxy components for shoe upper leather with burnish effect.
6,5 – 8,5	Yellow-brown pourable paste	Economic fatliquor compound for all types of soft leather.
5,0 – 7,0	Yellow-brown emulsion	Fatliquor compound with polymer-character for upholstery leather.
7,0 – 9,0	Yellow-brown, viscous emulsion	Fatliquor compound for all types of soft leather.
5,0 – 7,0	Yellow-brown, turbid emulsion	Fatliquor compound with polymer-character for all types of soft leather.
5,0 – 7,0	Yellow-brown emulsion	Economic fatliquor compound for all types of soft leather.

	Product name	Composition	Active substance	Charge
Fatliquors: Combinations	**OSSIPOL LS**	Emulsified lecithin with alkylphosphates and synthetic oils	38 – 42%	anionic
	LIPSOL PES	Alkanesulphonates, nonionic emulsifiers and vegetable oils	53 – 57%	anionic
	LIPSOL QPF	Sulphonated emulsifiers and polymers	50 – 54%	anionic
	LIPSOL QR	Special emulsifiers and polymers	35 – 40%	anionic
	LIPSOL S	Alkanesulphonates with natural and synthetic oils	87 – 90%	anionic
	LIPSOL SAT	Formulation with special anionic surfactants	40 – 44%	anionic
	LIPSOL STS	Formulation with anionic surfactants	36 – 40%	anionic
	OSSIPOL LE	Combination of lecithin and emulsifiers	42 – 46%	slightly anionic
Fatliquors: Special oils	**PERPRISTOL COD**	Unsaturated marine oil	96%	---
	PERPRISTOL UT	Mixture of vegetable oils with special additives	100%	---

pH (10%)	Appearance	Short description
6,5 – 8,5	Yellow-brown paste	Economic fatliquor compound for all types of soft leather.
6,0 – 8,0	Amber, slightly turbid oil	Fatliquor, with excellent stability to mineral tanning agents, for the production of furs, especially sheepskins.
4,0 – 7,0	Yellowish, slightly turbid oil	Special polymer fatliquor compound for soft automotive leathers with high physical properties.
6,0 – 8,0	White, milky emulsion	Polymer-fatliquor compound for tight grain shoe upper leather.
5,0 – 7,0	Clear, yellow oil	Top-fatliquor to improve high gloss on suede leather.
6,0 – 8,0	Yellow, viscous emulsion	Special softening agent to improve tear strength of leather with excellent fastness.
7,0 – 9,0	Yellow to white, viscous emulsion	Softening agent to improve tear strength of leather.
7,0 – 9,0	Beige-brownish emulsion	Fatliquoring compound for fluffy leather with a smooth grain.
---	Red-brown oil	Raw oil components for the production of chamois garment leather. Avoids the formation of fatty spew in combination with other anionic fatliquors.
---	Clear yellow oil	Raw oil component added to fatliquors to modify the leather character. Particularly suitable for white or pastel-dyed leathers.

	Product name	Composition	Active substance	Charge
Waterproofing: Silicone based	**PERFECTOL CAR**	Selected hydrocarbons emulsified with hydrophobic additives	50 – 54%	anionic
	PERFECTOL CH	Special selected hydrocarbons emulsified with hydrophobic additives	48 – 52%	anionic
	PERFECTOL HBP	Alkylphosphates with hydrophobic emulsifiers and neutral oils	38 – 42%	anionic
	PERFECTOL HQ	Paraffinoil and hydrophobic emulsifiers	46 – 48%	anionic
	PERFECTOL HW	High molecular weight paraffins with lightfast hydrophobic additives	44 – 48%	anionic
	PERFECTOL IQ	Aliphatic oils and hydrophobic emulsifiers	42 – 46%	anionic
	PERFECTOL PQ	Homogenised blend of reactive silicones, aliphatic oils and hydrophobic emulsifiers	46 – 50%	anionic
	PERFECTOL QT	Emulsion of selected hydrocarbons with special silicones	50 – 54%	anionic
	PERFECTOL TG	Reactive silicon in anionic solution	31 – 35%	anionic
	PERFECTOL TT	Reactive silicones supported by anionic surfactants	42 – 46%	anionic
	PERFECTOL XR	Reactive silicone based hydrophobic compound	38 – 42%	anionic
	PERFECTOL XTC	Silicone based hydrophobic compound	47 – 51%	anionic

pH (10%)	Appearance	Short description
6,0 – 8,0	Off white emulsion	Waterproofing fatliquor for car upholstery leather with demands to water repellancy and light fastness.
6,0 – 8,0	Opal milky emulsion	Highly reactive fatliquor with strong fiber binding for car-upholstery leather with demands to water repellency and light fastness.
6,0 – 8,0	Creamy emulsion of high viscousity	Fatliquoring agent and touch-modifier for garment and washable leathers.
7,0 – 8,0	Off white emulsion	Economical waterproofing fatliquor for high quality soft waterproof leathers.
6,5 – 8,5	Off white emulsion	Lightfast waterproofing fatliquor for high quality soft waterproof leathers.
7,0 – 8,0	Creamy emulsion	Economical waterproofing fatliquor for high quality soft waterproof leathers.
6,0 – 8,0	White milky emulsion	Waterproofing fatliquor for soft anilin leathers exhibiting very good level dyeing properties.
6,5 – 8,5	Off white emulsion	Waterproofing fatliquor for high surface protection.
7,0 – 9,0	Turbid yellow oil	Oil free waterproofing compound for grain leather, nubuk and suede.
6,0 – 8,0	Clear pale oil	Waterproofing surface shield for grain leather, nubuk and suede.
6,0 – 8,0	Homogeneously, milky emulsion	High duty waterproofing fatliquor for firm leathers.
6,0 – 8,0	White emulsion	All-purpose, high duty waterproofing fatliquor for single use.

	Product name	Composition	Active substance	Charge
Waterproofing: Polymer based	PERFECTOL QC	Emulsion of special polymers and modified oils	48 – 52%	anionic
	PERFECTOL QX	Special polymers combined with highly effective silicone-based additives	35 – 39%	anionic
	PERFECTOL W2	Polymers and special emulsifiers with highly effective silicon based additives	49 – 51%	anionic
	PERFECTOL WR	Polymers combined with hydrophobic emulsifiers, highly effective silicone-based additives and hydrocarbon oils	30 – 34%	anionic
	PERFECTOL XF	Reactive silicon and polymers in anionic solution	33 – 37%	anionic
Waterproofing: Oil based	PERPRISTOL RCK	Mixture of synthetic oils and waxes	98 – 100%	---
	PERPRISTOL RCO	Mixture of selected oils and silicone derivatives	98 – 100%	---
	PERPRISTOL RCT	Mixture of selected oils and silicone derivatives	98 – 100%	---

pH (10%)	Appearance	Short description
6,0 – 8,0	Yellow, liquid turbid	Waterproofing polymer for deep penetration and high dispersion of any surface fat.
5,0 – 8,0	Off white emulsion	Waterproofing compound having filling properties for tight-grain waterproof leathers and satisfying the highest demands for both, waterproofing and leather quality.
7,0 – 9,0	Slightly light blue emulsion	Waterproofing compound with filling properties for tight-grain and dry surface feeling waterproof leathers, satisfying the highest demands for both, waterproofing and leather quality.
6,0 – 8,0	Off white emulsion	Waterproofing compound having filling properties for tight-grain leathers.
5,0 – 8,0	White milky emulsion	Oil free waterproofing polymer for grain leather, nubuk and suede.
---	Brown, creamy wax	Solvent free finishing oil for the surface coating of grain and nubuk leather to achieve an excellent pull-up effect and waxy feel.
---	Yellow-brown oil	Solvent free pull-up oil for surface coating on waterproof leatherwith dark oily pull-up effect and oily feel.
---	Yellow wax	Solvent free pull-up oil for surface coating on waterproof leather.

	Product name	Composition	Active substance	Charge
Waterproofing: Auxiliaries	LIMANOL GEW	Sodium salt of lightfast, modified amino acids	36 – 42%	anionic
	LIMANOL PEW	Sodium salt of modified fatty acids	42 – 46%	anionic
Flame proofing: Salt based	FLACAVON B 45	Combination of organic and inorganic phosphates and halogenic salts	38 – 40%	anionic
	FLACAVON FS	Combination of inorganic phosphates and halogenic salts	16 – 20%	anionic
Flame proofing: Pigment based	FLACAVON APT	Compound with antimony pentoxide	30 – 32%	---
	FLACAVON CAT	Compound with antimony pentoxide	58 – 60%	---
	FLACAVON RB	Aqueous dispersion on the basis of nitrogen compounds and bromine donators	59 – 63%	nonionic
	FLACAVON BLE	Compound with antimony pentoxide and halogenated additives.	65 – 69%	---

pH (10%)	Appearance	Short description
7,0 – 9,0	Yellow, clear solution	Emulsifying system especially designed for the production of waterproof leathers. Applicable in all parts of the wet-processing at pH>4 including the wetting-back of crust leathers. No negative effect on the Penetrometer- or Maeser values, when used as directed.
6,0 – 9,0	Yellow, clear to slightly turbid solution	Emulsifying system especially designed for the production of waterproof leathers. Applicable in all parts of the wet-processing at pH >5 including the wetting-back of crust leathers. No negative effect on the Penetrometer or Maeser values, when used as directed.
6,0 – 8,0	Colourless solution	Special product for flame retardant crust protection, completely free of antimony and AOX.
4,0 – 6,0	Colourless solution	Special product for flame retardant crust protection, completely free of antimony and AOX.
4,5 – 7,5	Light yellowish solution	Special product for flame-retardant leathers, free of AOX.
4,0 – 7,0	Light yellowish solution	Special product for flame-retardant leathers, free of AOX.
5,5 – 9,5	White to off white dispersion	Special product for flame-retardant leathers, free of Antimony.
4,0 – 6,0	White, viscous dispersion	Environmental friendly product for flame-retardant leathers.

Schill+Seilacher
struktol

Any Questions?
Our service team will be pleased to answer any questions and to assist you with advice and information at all times. We can also advise you of the contact data of our local offices and agencies. Data sheets and samples of our products are available upon request.

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