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XXXXe , Global, 2025

LEATHER CHEMICALS & DYES

Innovative and tailor-made solutions

/ **Planet Conscious+** : Our vision of delivering a deeper commitment to innovation and partnership for the textile industry.

CREATING SUSTAINABLE SOLUTIONS

Archoma's purpose is to lead our industry towards a more sustainable future for our customers and markets.

Archroma is a global, diversified provider of specialty chemicals serving the branded and performance textiles, packaging and paper, coatings, adhesives, sealants and leather markets.

From fiber to end article, Archroma plays a key role throughout the entire textile supply chain, with special chemicals for pretreatment, dyeing, printing and finishing of textiles. Our innovative textile solutions enhance the desirability, performance and durability of apparel and other textiles in applications as diverse as denim, fashion, home textiles, automotive and special technical textiles. Archroma has colors and effects to make your textiles and articles desirable, durable, and safe for you and the planet.

LEATHER CHEMICALS & DYES

Leather is a versatile and durable material that has been a cornerstone of human craftsmanship for centuries. Derived from the tanning and treatment of animal hides, leather has evolved to become an essential component in various industries, including fashion, furniture, and automotive. From clothing and footwear to upholstery and accessories, leather has been an integral part of our daily lives, offering a tactile experience that is both luxurious and practical. Its unique blend of strength, flexibility, and aesthetic appeal has made it a sought-after material for creating everything from stylish clothing and accessories to luxurious upholstery and durable work gear. Being a natural by-product of the meat and dairy industry, the use of hides to produce leather contributes to reduced waste and optimize the use of available resources.

One of the major industry challenges facing the leather processing sector is the need to reduce its significant environmental footprint, which is largely driven by the use of hazardous chemicals, heavy water consumption, and substantial waste generation during the tanning and finishing processes. Archroma's complete portfolio of high-performance leather processing solutions and long standing technical know-how and experience can help leather tanneries improve efficiency, reduce environmental impact, and enhance product quality while minimizing their ecological footprint.

ONE WAY+

Our Planet Conscious approach to environmental and economic sustainability

The textile industry constantly faces challenges like the growing demand for sustainable textiles, compliance with environmental regulations, water consumption issues, and waste management. These challenges can hinder the overall manufacturing process and ultimately lead to decreased quality of production and products. At Archroma Textile Effects, we believe that our solutions and processes can offer brands and mills improved operational excellence throughout their textile value chain and create differentiation for economic, technological and environmental sustainability.

- Bespoke model to help mills and brands achieve their sustainability targets
- Step-change in quality and performance and value-added end-products
- Compliance with relevant regulations, certifications and industry standards
- Holistic resource-efficient and technology-driven process for continuous improvement
- Powered by Super Systems+

At Archroma, we continuously challenge the status quo in the deep belief that we can make our industry sustainable.

The Majority of Archroma's products comply with major industry MRSL requirements such as:

bluesign® • **GOTS** • **REACH** • **ZDHC** • **C2C**

Archroma are proud members and/or partners with the following organizations

BEAMHOUSE AUXILIARIES: CERAPERM®, KIERALON® AND LUPRINTAN®

Beamhouse operations are a crucial step in leather processing, involving several pretreatment processes to prepare hides and skins for tanning to establish the base for required final articles. The required pretreatment chemicals play a significant role in determining the quality of the final leather product.

Archroma's selection of pretreatment chemicals offers solid solutions and includes the LUPRINTAN® range which has a special focus on surfactant chemistry.

Beamhouse products						
Old product name	**New product name**	**Brief description**	**Chemical nature**	**Concentration**	**pH**	**Application**
CERALUBE® KGS LIQ	CERAPERM® KGS LIQ	Fatliquor in tanning & retanning	Fatty acid condensate	20%	3.5 - 4.5	As auxiliary in chrome tanning or for top feel in retanned articles
KIERALON® DTC.IN LIQ	KIERALON® DTC.IN LIQ	Degreasing agent	Modified polyglycol ether	23%	7.0 - 8.0	High fat dispersing effect
LUPRINTAN® A LIQ	LUPRINTAN® A LIQ	Emulsifier, dispersing agent for fats	Fatty acid amide	40%	8.0 - 9.0	High emulsifying power
IMEROL® BATE BZ P	LUPRINTAN® BATE BZ P	Universal bating agent	Protease enzyme	1000 LUV	4.0 - 7.5	Opening hide structure by cutting protein structure
LUPRINTAN® DG LIQ	LUPRINTAN® DG LIQ	Degreasing agent	Long chain alcohol alkoxylated	100%	5.0 - 7.0	Dispersing and cleaning of natural fat
IMEROL® LP-CN LIQ	LUPRINTAN® LP LIQ	Liming auxiliary - anti-wrinkle	Trietanolamine based	31%	10.0 - 11.0	Smooth liming process, avoiding wrinkle creation
LUPRINTAN® OC LIQ	LUPRINTAN® OC LIQ	Universal wetting agent	Long chain alcohol alkoxylated	100%	5.0 - 7.0	Super stable so highly versatile

WET-END PROCESSING LUPRINTAN® AND CERAPERM®

The retanning process is a critical role in enhancing the quality and performance of the leather, making it more suitable for use in a wide range of applications. Some of the key objectives for the retanning process include improving the stability of the leather by achieving a firm grain that is well “glued” to the collagen structure and correcting any issues that arise from the tanning stage.

LUPRINTAN® retanning acrylics and syntan range are specifically designed for the retanning stage to improve grain firmness and prevent looseness, adding value to the final article. Our comprehensive range of synthetic tannins also makes the retanning process shorter, more controllable and ultimately more efficient.

Fatliquors play a critical role in the leather tanning process, producing high-quality and durable leather products. The CERAPERM® range is engineered to control the overall softness and improve the physico-chemical properties of the leather.

Retanning - acrylics

Old product name	New product name	Brief des-cription	Chemical nature	Monomer	Active substance	pH (10% sol.)	Application	Additional comments
APPRETAN® LR-BS LIQ	LUPRINTAN® BS LIQ	Retanning	Acrylic polymer in emulsion	Acrylic acid	30%	6.5 - 7.5	Smooth & tight grain - special for soft leather	
APPRETAN® LR-ES LIQ	LUPRINTAN® ES LIQ	Retanning	Acrylic polymer in emulsion	Acrylic acid	40%	6.5 - 7.5	Smooth & tight grain - special for soft leather. Stable in rechroming wet blue	
LUPRINTAN® KSR LIQ	LUPRINTAN® KSR LIQ	Tanning & retanning	Acrylic polymer, low neutralization	Acrylic acid	40%	3.5 - 4.5	Extremely good penetration and exhaustion in chrome tanned leather	
APPRETAN® LR-MB LIQ	LUPRINTAN® MB LIQ	Retanning	Acrylic polymer with filler	Acrylic acid	28%	5.5 - 6.5	Tight grain with special filling power - more than 30% bio origin	APPRETAN® PMB-MX LIQ in Mexico APPRETAN® PMB-BR LIQ in Brazil
APPRETAN® LR-PR LIQ	LUPRINTAN® PR LIQ	Retanning	Acrylic polymer in emulsion	Acrylic acid	29%	6.5 - 7.5	Universal retanning agent to get tight grain	APPRETAN® PR-MX LIQ in Mexico APPRETAN® PR-BR LIQ in Brazil
APPRETAN® LR-RE LIQ	LUPRINTAN® RE LIQ	Retanning	Acrylic co-polymer in emulsion	Acrylic acid / acrylonitrile	40%	6.0 - 7.0	Specially good in chrome tanned leather - high fullness and tight grain	
APPRETAN® LR-SK LIQ	LUPRINTAN® SK LIQ	Tanning & retanning	Acrylic polymer, low neutralization	Acrylic acid	23%	3.5 - 4.5	High filling power & exhaustion of chrome	
LUPRINTAN® SN LIQ	LUPRINTAN® SN LIQ	Retanning	Acrylic-maleic copolymer	Acrylic acid / maleic anhydride	40%	7,7 - 8,3	Special for very soft articles: garment nappa & upholstery	

Retanning - syntans

Old product name	New product name	Brief description	Chemical nature	Concentration	pH (10% sol.)	Application
APPRETAN® CSD P	LUPRINTAN® CSD P	Chrome syntan	Chrome sulphate	90%	3.0 - 6.0	Rechroming general use and very suitable for soft articles. Chrome content: 13%
APPRETAN® LR-LBT LIQ	LUPRINTAN® LBT LIQ	White syntan	Cresylic based condensate	45%	3.0 - 4.0	Bisphenol free syntan
LUPRINTAN® OT P	LUPRINTAN® OT P	Dispersing agent for anionic dyes and syntans	Naphthalenesulfonic condensate salt	94%	7.0 - 9.0	Universal use to improve homogeneous distribution of dyes and syntans, enhancing penetration
APPRETAN® LR-PAKM P	LUPRINTAN® PAKM P	Neutralizing syntan	Naphthalene condensate salt	90%	7.0 - 8.5	Strong buffer and dispersing effect
APPRETAN® LR-RAN P	LUPRINTAN® RAN P	Replacement syntan	Amphoteric phenolic condensate	95%	3.0 - 4.0	Can be used before neutralization, good filling and dispersing effect
APPRETAN® LR-RDL P	LUPRINTAN® RDL P	White syntan	Phenolic condensate	95%	3.0 - 4.0	Very fine grain for white leather, very good light fastness
APPRETAN® LR-ROS P	LUPRINTAN® ROS P	White syntan	Sulphone & naphtalene condensate	94%	3.0 - 4.0	Good dispersing power with balanced filling and whiteness
APPRETAN® LR-RWR P	LUPRINTAN® RWR P	Replacement syntan	Phenolic condensate	92%	5.0 - 6.5	Especially indicated for soft and full articles
APPRETAN® LR-TAN LIQ	LUPRINTAN® TAN LIQ	White syntan	Phenolic condensate	49%	2.5 - 4.5	Universal white syntan

Retanning - fatliquors

Old product name	New product name	Brief description	Chemical nature	Ionicity	Concentration	pH (10% sol.)	Application
AFILAN® ADO LIQ	CERAPERM® LB LIQ	Fatliquor in retanning	Mineral oil with emulsifier	Non ionic	> 99%	6.5 - 7.5	Touch & shine for suede and nubuck
CERALUBE® ASN LIQ	CERAPERM® ASN LIQ	Fatliquor in retanning	Formulated sulphochlorinated parafin	Anionic	74%	5.0 - 7.0	Soft shoe upper & gloving
CERALUBE® CAT-L	CERAPERM® CAT L LIQ	Fatliquor in tanning & retanning	Fatty acid amide	Cationic	32%	5.0 - 7.5	Dispersing of chrome in tanning & retanning and as top for touch
CERALUBE® CFF LIQ	CERAPERM® CFF LIQ	Fatliquor in retanning	Formulation of fish oil and synthetic sulphited esters, long chain glycerides	Anionic	50%	7.0 - 9.0	Soft leather but with round feel: upholstery & garment
CERALUBE® FO LIQ	CERAPERM® FO LIQ	Fatliquor in retanning	Sulphited fish oil	Anionic	60%	5.5 - 7.5	Special for soft leather, no that filling: automotive, upholstery
CERALUBE® KGS LIQ	CERAPERM® KGS LIQ	Fatliquor in tanning & retanning	Fatty acid condensate	Cationic	20%	3.5 - 4.5	As auxiliary in chrome tanning or for top feel in retanned articles
CERALUBE® LCT LIQ	CERAPERM® LCT LIQ	Fatliquor in retanning	Lecithin based oil	Anionic	40%	5.5 - 6.5	Soft articles in general, low specific weight
CERALUBE® LNL LIQ	CERAPERM® LNL LIQ	Fatliquor in retanning	Oil based on lanoline	Anionic	48%	7.0 - 8.0	Greasy touch, high emulsifying power with light waterproof effect
CERALUBE® PHW LIQ	CERAPERM® PHW LIQ	Waterproof	Silicone polymer formulated with hydrophobic emulsifiers	Anionic	28%	6.0 - 7.0	Special fatliquor for waterproof articles
CERALUBE® SGG LIQ	CERAPERM® SGG LIQ	Fatliquor in tanning & retanning	Natural and synthetic sulphated oils	Anionic	73%	7.0 - 8.0	High penetration and softness, very stable
CERALUBE® UAL LIQ	CERAPERM® UAL LIQ	Fatliquor in tanning & retanning	Formulated sulpho-ester	Anionic	11%	6.0 - 8.0	Super-stable emulsifier
CERANINE VRE MOD PA	CERAPERM® VRE PA	Fatliquor in retanning	Fatty alkyl sulphate formulation	Anionic	25%	7.5 - 8.5	Emulsifier to increase softness and tear strength

LEATHER DYES AND AUXILIARIES: DORANIL®, PARAMEL®, LUPRINTAN® AND LYOGEN®

The coloration process for leather can be affected by factors such as the leather's pH level, temperature, and moisture content. Some leathers may require special dyeing or staining to achieve a specific color or hue. The DORANIL® range fulfills all leather segment requirements with an unwavering commitment to quality. These dyes are able to achieve the highest fastness standards in leather dyeing with a special focus on migration to PVC and light fastness levels. To maximize dyeing performance, Archroma offers a full range of state-of-the-art dye auxiliaries to complement our leather dyes and optimize the dyeing process. These auxiliaries can improve the colorfastness, lightfastness, and overall appearance of the leather, as well as help to fix the dye and prevent it from fading or bleeding.

As global leader in the textile industry, Archroma is best placed to help tanneries excel in the art of leather dyeing.

			DORANIL® YELLOW R	DORANIL® ORANGE AG	DORANIL® ORANGE SGN	DORANIL® RED AG	DORANIL® BORDEAUX B	DORANIL® NAVY ARB	DORANIL® GREEN G	DORANIL® BEIGE AD	DORANIL® HAVANNA SGNH	DORANIL® BROWN SGG	DORANIL® BROWN NGH	DORANIL® BROWN NGTA	DORANIL® BROWN AG	DORANIL® BROWN AR	DORANIL® BROWN RLNH	DORANIL® BROWN SNT	DORANIL® BROWN ADGV	DORANIL® BROWN MGRA	DORANIL® DARK BROWN AR	DORANIL® RED BROWN MBA	DORANIL® RED BROWN W	DORANIL® GREY AGX	DORANIL® GREY LL	DORANIL® BLACK ESA CONC	DORANIL® BLACK AR	PARAMEL® BLACK NF 135 P	PARAMEL® CAT BLACK C LIQ	PARAMEL® CAT BLACK C-DL LIQ
LIGHT SHADE																													Basic cationic - for top dyeing	Sulphur cationic - for top dyeing
FULL SHADE																														
METAL CONTENT			Co	Co	none	Cr	Co	Cr	Cr	Co	Co	Cu	Fe	Fe	Cr	Cr	Cu	Fe / Cr	Cr	Fe / Cu	Cr	Cu	Cr / Co	Cr	Cr	none	Cr	none	none	none
GENERAL PROPERTIES	Solubility at 20°C (g/l)		75	100	40	50	75	75	100	50	50	70	30	30	50	100	100	50	50	30	100	60	50	75	30	100	50	100	soluble	soluble
	Solubility at 60°C (g/l)		100	100	50	50	75	75	100	50	70	80	50	50	75	100	100	75	100	50	100	80	50	100	50	150	75	100	soluble	soluble
	Penetration		4	4	3	5	3	5	4	3 - 4	4	4	4	4	4 - 5	4	4	4	5	4	4 - 5	4	4 - 5	3 - 4	4 - 5	5	5	4	n/a	n/a
	Stability to acids IUF 203		5	5	5	5	5	5	5	5	4	4	5	4	4	5	5	5	5	4	3	5	5	5	5	4	5	5	5	5
	Fastness to formic acid IUF 202		5	3	5	5	4	5	5	5	5	5	5	5	4 - 5	5	5	4	5	4	4 - 5	5	5	4 - 5	5	4	5	3	4 - 5	4 - 5
COLOR FASTNESS PROPERTIES	Lightfastness IUF 402 / 80h		5	4 - 5	4	3 - 4	5	5	4 - 5	5	3	2 - 3	3 - 4	4 - 5	4 - 5	3 - 4	2 - 3	3 - 4	3 - 4	4	4	4	4	4	5	5	4 - 5	3	1 -2	5
	Migration fastness into PVC IUF 442		5	4 - 5	5	5	4 - 5	4 - 5	5	5	5	4	5	5	5	5	4 - 5	3	5	5	5	5	5	5	5	5	4 - 5	5	4 - 5	5
	Fastness to alkalyne perspiration IUF 426	Co	4	3 - 4	2 - 3	4	3 - 4	3	3 - 4	4	3	2 -3	3	3 - 4	3	4	3	3 - 4	4	3 - 4	3	3	4	4 - 5	5	4 - 5	4	3	4 - 5	3 - 4
		Wo	4 - 5	4 - 5	3 - 4	4	3 - 4	2 - 3	3 - 4	4	3 - 4	3	3 - 4	4	4	4	3	3 - 4	4	3 - 4	4	4	4	4 - 5	4	5	3 - 4	3	5	3
		N	4 - 5	4 - 5	4	4 - 5	4 - 5	4	4 - 5	4	3 - 4	4	4 - 5	4 - 5	4	4 - 5	4 - 5	5	4 - 5	5	4 - 5	5	5	4 - 5	3	5	5	5	4-5	4
	Post treatment with OPTIFIX E50 LIQ	Co	5	4 - 5	4 - 5	5	5	5	5	5	4	4	4	4	4 - 5	5	4	4 - 5	5	5	5	5	5	5	5	5	5	5	5	--	--
		Wo	4 - 5	5	4 - 5	5	5	5	5	5	4 - 5	4 - 5	4 - 5	4 - 5	5	5	4	4 - 5	5	5	5	5	5	5	5	5	5	5	5	--	--
		N	5	4 - 5	5	4 - 5	5	4 - 5	4 - 5	4	4 - 5	4 - 5	5	5	4	5	5	5	4 - 5	5	4 - 5	4 - 5	5	5	5	5	5	5	5	--	--
	Fastness to washing IUF 423	Co	4	3 - 4	2 - 3	4 - 5	3	4	3 - 4	5	4	3	4	3 - 4	3	3	3	3 - 4	3	3	2 - 3	3 - 4	4 - 5	5	5	4	4	3	4 - 5	4 - 5
		Wo	5	5	4 - 5	5	5	5	5	5	4 - 5	4 - 5	4	3 - 4	5	5	4 - 5	5	5	4 - 5	4 - 5	5	4 - 5	5	5	4	3 - 4	5	4 - 5	4 - 5
		N	4 - 5	5	4 - 5	5	4	5	4	2	5	4	3	4 - 5	3	4	4	4 - 5	4 - 5	4	4	3 - 4	5	4 - 5	4	4	4	4	4	2 - 3
	Fastness to dry cleaning IUF 434	Co	4 - 5	4	5	4 - 5	4 - 5	4 - 5	4 -5	5	4	4	4 - 5	4	4	4 - 5	4	5	5	4	4	5	5	5	5	5	4 - 5	5	4	4 - 5	3
		Wo	4 - 5	5	5	4	5	4 - 5	5	5	4	4	5	4 - 5	5	5	4	5	5	4	5	5	5	5	5	5	5	4	4	3
		N	5	4	5	4 - 5	4 - 5	5	4 - 5	4	5	4 - 5	5	5	4 - 5	4	4 - 5	4 - 5	3 - 4	4 - 5	4	5	5	4 - 5	4	5	5	5	4	3 - 4

Note 1: all fastness data refers to full shade dyeings on chrome tanned leather.
Note 2: all ratings from 1 to 5, being 1 : worse, 5: highest

Additional dye ranges

PARAMEL® SOFT	Pre-dispersed metal complex dyes
PARAMEL® WD	Selection of acid wool dyes for fur / double face

LEGEND:
Co = staining on cotton
Wo = staining on wool
N = change of shade

LEATHER DYES AND AUXILIARIES: DORANIL®, PARAMEL®, LUPRINTAN® AND LYOGEN®

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To maximize dyeing performance, Archroma offers a full range of state-of-the-art dye auxiliaries to complement our leather dyes and optimize the dyeing process. These auxiliaries can improve the colorfastness, lightfastness, and overall appearance of the leather, as well as help to fix the dye and prevent it from fading or bleeding.

As global leader in the textile industry, Archroma is best placed to help mills excel in the art of leather dyeing.

Dye Auxiliaries					
New product name	**Brief description**	**Chemical nature**	**Concentration**	**pH (10% sol.)**	**Application**
LUPRINTAN® LD LIQ	Dispersing agent for anionic dyes and syntans	Naphthalenesulfonic condensate salt	40%	5.0 - 7.0	Universal use to improve homogeneous distribution of dyes and syntans, enhancing penetration
LUPRINTAN® OT P	Dispersing agent for anionic dyes and syntans	Naphthalenesulfonic condensate salt	94%	7.0 - 9.0	Universal use to improve homogeneous distribution of dyes and syntans, enhancing penetration
LYOGEN® NH LIQ	Levelling agent for acid dyes	Polyamine ethoxylated	45%	6.5 - 8.5	Very useful when combining dyes with different affinity to leather, penetration improver
PARAMEL® AL LIQ	Dye intensifier for suede articles	Aluminium chloride	50%	3.8 - 4.2	Special dye intensifier without filming effect so not affecting nap in sueded and nubuck articles
PARAMEL® FIX R LIQ	Fixing agent, wet fastness improver	Aliphatic polyamine	55%	6.5 - 7.5	Improver of water, washing and perspiration fastness
PARAMEL® FIX S-BR LIQ	Fixing agent, wet fastness improver	Polyoxipolyamine	20%	6.5 - 7.5	Improver of water, washing and perspiration fastness
PARAMEL® WA-MX LIQ	Fixing agent, wet fastness improver	Dicyandiamide formol polymer	40%	3.0 - 4.0	Improver of water, washing and perspiration fastness

LEATHER FINISHING: DICRYLAN®, NUVA®, PHOBOTEX®, PEKOFLAM® AND PARAMEL®

Leather finishing is an art. This crucial step in the leather production process plays a significant role in enhancing the quality, appearance, and performance of leather products. Archroma offers a comprehensive range of finishing products that can help enhance the appearance, durability and performance of leather. These products can also achieve a variety of effects, from subtle, natural finishes to bold, high-gloss coatings.

The DICRYLAN® RA range consists of high quality impregnation and base coat binders that are suitable for a wide range of uses. From increasing the final value of impressive fashion articles to achieving strict and demanding performances levels in technical leathers, allowing the tannery to develop their masterpiece.

Finish acrylic binders

								Film properties			
Old product name	**New product name**	**Brief description**	**Monomer**	**Solid content**	**pH (as such)**	**Particle size (nm)**	**TG (°C)**	**Softness**	**Stretch**	**Stickiness**	**Application**
APPRETAN® LF A-719 LIQ	DICRYLAN® RA-719 LIQ	Impregnation corrected grain	BA, MAA, AN	40%	4.0 - 6.0	106		+	+	+	Grain tightening impregnation binder. Also used as adhesion binder in base coats
APPRETAN® LF A-776 LIQ	DICRYLAN® RA-776 LIQ	Impregnation full grain / base coat	BA, EA, AA	22%	8.5	49 ± 10	-26 °C	+++	+	++	Impregnation for full grain leathers. Improves penetration of other binders in corrected grain impregnations
APPRETAN® LF A-777 LIQ	DICRYLAN® RA-777 LIQ	Base coat	BA, AN, AA	16%	8.5	111	-7 °C	+++	+	o	Excellent adhesion binder for thin, elegant finishes.Good physical properties, softness and evenness
APPRETAN® LF A-931 LIQ	DICRYLAN® RA-931 LIQ	Base coat	EA, AN, AA	36%	8.0	107	-11 °C	+	+++	- -	Self crosslinkeable. Partial use in base coats to improve the water resistance
APPRETAN® LF A-943 LIQ	DICRYLAN® RA-943 LIQ	Base coat	EA, MMA	35%	8.0	110	-15 °C	++	+++	o	Universal base coat binder. Good flexometer values. Very fine grain break
APPRETAN® LF A-946 LIQ	DICRYLAN® RA-946 LIQ	Base coat	BA, MMA, AA	35%	9.0	91	- 16 °C	o	+	o	Binder with excellent low temperature flexometer values. Main use for car upholstery base coats
APPRETAN® LF A-948 LIQ	DICRYLAN® RA-948 LIQ	Base coat	EA, MMA	35%	8.0	117	-14 °C	+	+	o	Universal base coat binder. Very good embossability and good flexometer values
APPRETAN® LF MICROBINDER AM	DICRYLAN® RA-AM LIQ	Base coat	EA, MA	20%	3.0 - 5.5		- 8 °C	+++	++	o	For aniline finishes with natural break
APPRETAN® LF RESIN IF	DICRYLAN® RA-IF LIQ	Impregnation full grain / base coat	BA, AN	40%	6.0 - 8.0		- 2 °C	+++	+	++	Impregnation of full grain leathers. Base coat with excellent water resistance.

Finish: additives & top

New product name	**Brief description**	**Chemical nature**	**Concentration**	**Application**
DICRYLAN® LC G LIQ	Top coat - lacquer	Nitrocellulose lacquer emulsion	57%	Top coat or co-binder, glossy effect. Good handle, soft. 13% content on NC
DICRYLAN® LC M LIQ	Top coat - lacquer	Nitrocellulose lacquer emulsion	56%	Matt or silky matt finish. Good handle, soft. 13% content on NC
DICRYLAN® PNE LIQ	Penetrator agent	Based on polar surface active agents	58%	Helps in impregnation systems to properly anchor coat
DICRYLAN® HM-FE LIQ	Hand modifier	Reactive polysiloxanes - macro-emulsion silicone. Non ionic	51%	Confers smooth hand and enhances elasticity of fthe finish formulation
DICRYLAN® HM-UP LIQ	Hand modifier	Modified polysiloxane - macro-emulsion silicone. Non ionic	46%	Soft volume and smooth surface / improves tear and abrassion resistance
DICRYLAN® TK HIT LIQ	Thickener	Anionic vinyl polymer, mineral oil and non ionic surfactants in water	52%	Syynthetic polymer thickening agent
NUVA® N2155 LIQ	Waterproof / oilproof	Dispersion of a fluorine compound. Non ionic / amphoteric.	38%	Highly effective oleophobic / hydrophobic agent. Full NUVA® range available for special effects
PHOBOTEX® NTR-50 LIQ	Waterproof	Dispersion of alkyl polyure-thane and acrylic copolymer. Cationic / non-ionic.	60%	PFAS free durable water repellent. Full PHOBOTEX® & smartrepel range for special effects
PEKOFLAM®TC950 LIQ	Flame retardant	Aqueous dispersion of an organic phosphorous salt	50%	Halogen / antimonium free flame retardant for coatings with low water solubility
PARAMEL® LF PIGMENT BLACK SA	Pigment for finishing	Casein free pigment dis-persion	28%	High concentration black pigment in aqueous dispersion Full PRINTOFIX® range available
PARAMEL® LF PIGMENT WHITE 6535 LIQ	Pigment for finishing	Casein free pigment dis-persion	64%	High concentration white pigment, also suitable for wet-end bath
PARAMEL® LF BLACK KN LIQ	Dye for finishing	Water based preparation metal-complex dye	31%	Universal black dye for aniline articles
PARAMEL® LF BLACK S LIQ	Dye for finishing	Solvent based preparation metal-complex dye	20%	Special black dye with very high light & water drop fastness

LEGEND

AA	Acrylic acid	**+++++**	Very High	**ooo**	Excellent
BA	Butyl acrylate	**++++**	High	**oo**	Good
EA	Ethyl acrylate	**+++**	Medium	**o**	Reasonable
AN	Acrylonitrile	**++**	Low		
MAA	Methacrylic acid	**+**	Very Low		
MMA	Methy methacrylate				