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# LEATHER FINISHING SYSTEMS

ROTA KİMYA SAN.TİC. A.Ş.

İSTANBUL / TURKEY



## LEATHER FINISHING SYSTEMS

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## LEATHER FINISHING SYSTEMS

Rota Chemical located in Istanbul, Turkey started its business activities in the production of leather finishing chemicals in the year 1976. Starting from year 2000, Rota Chemical enlarged its product range with the production of shoe finishing chemicals for shoe upper, soles and also finishing chemicals for leather goods. Thanks to its strong R&D activities, in 2014 Rota Chemical started production of water based adhesives for shoe sole attaching and contact adhesive for leather. Besides that Rota Chemical manufacture special & innovational shoe and leather care products for consumer markets.

Due to its researcher activity, Rota Chemical is also producing special product solutions except their standard products. Our aim is to reflect the developments to our customers as soon as possible. We are developing new products in our R&D using market research analysis, customer and environmental demands. Our primary mission is to give the best service to our customers in terms of our ISO 9001 quality standards. We are aiming high quality products, high quality service, strong dealer and distributorship network together with our high-caliber personnel.

Besides its wide local dealer network, Rota Chemical is exporting its products to Asia, Europe and Middle East countries aiming to be an international player in leather and shoe finishing chemicals.

**[www.rotachemical.com](http://www.rotachemical.com)**

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## ACRYLIC BINDERS

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## BINDER – 101

It's a copolymeric dispersion.

**USE:** This binder is used for finishing of split leathers. Due to high solid matter and molecular structure, it is a binder of which property of binding and skin forming is high. This product is applied for basic coats of finishing. Binder -101 has got good pressing feature.

<b>PHYSICAL PROPERTIES</b>	
<b>FILM :</b>	Soft, flexible, glossy
<b>APPEARANCE :</b>	Milky white colored, liquid
<b>ACTIVE MATTER :</b>	%40 ± 2
<b>PH :</b>	7,0 – 8,0
<b>IONIC CHARACTER :</b>	Anionic
<b>STORAGE :</b>	Safe product, protect from freezing and extreme heat.



## BINDER – 202

It's a polyacrylate dispersion.

**USE:** Due to very small particles character and high tension active substances content, it fills and eliminate gap by penetrating very well, does not create hardness. Binder-202 is used for impregnation of sanded leathers. Besides, it may also be applied on porous leathers with skin because of its filling characteristics.

<b>PHYSICAL PROPERTIES</b>	
<b>FILM :</b>	Soft, transparent
<b>APPEARANCE :</b>	Semi- opaque, emulsion
<b>ACTIVE MATTER :</b>	%36 ± 2
<b>PH :</b>	7,0 – 8,0
<b>IONIC CHARACTER :</b>	Anionic
<b>STORAGE :</b>	Safe product, protect from freezing and extreme heat.



## BINDER – 205

It's an acrylic copolymer dispersion.

**USE:** It forms very glossy and resistant film. Its wet rubbing property is very good especially. In addition to usage separately, it may also be applied in a combination with other binders. Binder-205 is used particularly for glace (goat), calfskin finishing. It has got superior pressing ability.

PHYSICAL PROPERTIES	
<b>FILM :</b>	Medium hard, very glossy, transparent
<b>APPEARANCE :</b>	Milky white colored liquid
<b>ACTIVE MATTER :</b>	%26 ± 2
<b>PH :</b>	7,0 – 8,0
<b>IONIC CHARACTER:</b>	Anionic
<b>STORAGE :</b>	Safe product, protect from freezing and extreme heat.



## BINDER – 207

Dispersion of acrylic copolymers.

**USE:** It is a general purpose binder with its covering and glossy film. Binder-207 is used only or combined with other binders for the finishing of full grain, sanded shoes leather and other types of calf leather. It doesn't make any color deformation. The adhesion of the film on leather is superior. It has superior wet and dry rubbing strength.

PHYSICAL PROPERTIES	
<b>FILM :</b>	Medium-hard,flexible,glossy,transparent
<b>APPEARANCE :</b>	Milky white color, liquid
<b>ACTIVE MATTER :</b>	%30 ± 2
<b>PH :</b>	7.5 – 8.0
<b>IONIC CHARACTER:</b>	Anionic
<b>STORAGE :</b>	Safe product, protect from freezing and extreme heat.





## BINDER – 208

**NATURE**

Acrylic polymer in water emulsion.

**USE:** BINDER – 208 is a polymeric binder characterized by a hard, glossy, not very thermoplastic film, which is employed to obtain a special cracking effect on the leather. Best results can be achieved following the general formulation.

PHYSICAL PROPERTIES	Standard Value	Test Method
Appearance	whitish fluid	MDA 008
Dry content (%)	20 ± 2	MDA 010/011
pH (1:10)	7 ± 1	MDA 004
Density (g/cm <sup>3</sup> )	1.01 ± 0.05	MDA 018

**STORAGE**

Store in a dry, cool, well ventilated area between +5 and 40°C. Keep from freezing. For safe use of the product, the information given in the safety data sheet should be carefully observed.

**MINIMUM SHELF-LIFE**

The product is guaranteed for its physical and quality characteristics for at least 12 months from the date of production. It must be kept well sealed and stored in its original drum according to the conditions in technical and safety data sheet.



## BINDER – 211

Acrylic based dispersion with very fine particles.

**USE:** Due to its small particles, it penetrates into leather very well. As it delivers very natural films, Binder-211 may be used as a perfect binder for finishing of the leathers with skin. It has first- class wet and dry rubbing strength. It is utilized for finishing of garment leather and finishing of softy calf leather.

<b>PHYSICAL PROPERTIES</b>	
<b>FILM:</b>	Soft, very flexible, transparent
<b>APPEARANCE:</b>	Semi-opaque, liquid
<b>ACTIVE MATTER :</b>	%30 ± 2
<b>PH:</b>	7.5 - 8.0
<b>IONIC CHARACTER:</b>	Anionic
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## MICRO BINDER M5

Micro – emulsion of very soft acrylic copolymers.

**USE:** It is a soft filling binder developed for the leathers with skin. It is applied 18-20 grams per square foot by roller coat or spray gun. Leathers are stacked in a manner that their skins look upward. It is recommended for garment leather finishing due to its very small particle structure. This characteristic of MICRO BINDER ensures good penetration in the leathers with skin. So a solid finishing film diffusing deep into the leather is obtained. Furthermore, it ensures a filling touché for loose structured and porous leathers. It should not be used separately during upper finishing.

PHYSICAL PROPERTIES	
<b>FILM:</b>	Very soft, flexible
<b>APPEARANCE:</b>	Semi-transparent, yellowish liquid
<b>ACTIVE MATTER:</b>	%20 ± 2
<b>PH:</b>	7.5 ± 1
<b>IONIC CHARACTER:</b>	Anionic
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## POLYURETHANE BINDERS

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## BINDER – 1018

It's the dispersion in water of an aliphatic polyurethane binder.

**USE:** Binder-1018 can be mixed with other binders regardless of ratio. It can be used successfully on damaged skin of goat, sheep and calfskin finishing due to Binder-1018's covering and filming ability (especially on sanded leathers). Adhesion of newly formed film is perfect. Wet and dry rubbing fastness is very high. Binder-1018 can form compatible mixtures with protein based binders (caseins), waxes and other auxiliaries.

<b>PHYSICAL PROPERTIES</b>	
<b>FILM:</b>	Middle- hard, flexible, glossy
<b>APPEARANCE:</b>	Milky appearance, liquid
<b>ACTIVE MATTER:</b>	%30 ± 2
<b>PH:</b>	7,5- 8,5
<b>IONIC CHARACTER:</b>	Anionic
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## BINDER – 1033

Dispersion of aliphatic polyurethane in water.

**USE:** This product is a soft polyurethane binder which is used together with other acrylic binders for basecoats. It has very good binding property. Penetration in leather is sufficient, forms soft film with natural appearance. It provides wet and dry fastness. It is recommended for garment leather and softy calfskin leathers.

PHYSICAL PROPERTIES	
<b>FILM:</b>	Soft, very flexible, transparent
<b>APPEARANCE:</b>	Milky white appearance
<b>ACTIVE MATTER:</b>	%24 ± 2
<b>PH:</b>	7,0 ± 1,0
<b>IONIC CHARACTER:</b>	Anionic
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## BINDER – 1050

**NATURE**

Aromatic polyurethane in water dispersion.

**USE :** BINDER – 1050 is a synthetic polymer formulated for improving adhesion without using solvents, even on oily or water – proofed leathers. BINDER – 1050 forms a transparent, very elastic film and may be used either as in the example below as a prebottoming coat or in the basecoat mixture, in any finish with problems of adhesion.

RTU – 150 is not to be used on white or light coloured leathers because its aromatic nature leads to yellowing.

**EXAMPLE OF USE**

BINDER - 1050 ..... 350  
 Water..... 300  
 DL 100 .....350

PHYSICAL PROPERTIES	Standard Value	Test Method
Appearance	yellowish fluid	MDA 008
Dry content (%)	13 ± 2	MDA 010/011
pH (1:10)	7.5 ± 1	MDA 004
Density (g/cm <sup>3</sup> )	1.00 ± 0.05	MDA 018

**STORAGE**

Non-dangerous product. Store in a dry, cool, well-ventilated area between +5°C and 40°C. Keep from freezing.

For safe use of the product, the information given in the safety data sheet should be carefully observed.

**MINIMUM SHELF-LIFE**

The product is guaranteed for its physical and quality characteristics for at least 6 months from the shipping date. It has to be kept well sealed and stored in its original drum according to the conditions in technical and safety data sheet.



## BINDER – 1055N

**NATURE**

Aliphatic polyurethane in water dispersion.

**USE :** BINDER – 1055N is a soft and finely divided polyurethane dispersion. Due to its excellent penetration, it mayh be used as an adhesion promoter. Forms a soft, flexible film with low tack.

Thanks to its non ionic character, RTU – 1055N is highly compatible with both cationic and anionic systems and it can also be used as a polymeric binder in polishable cationic basecoats, where its softness and workability are very appreciated.

PHYSICAL PROPERTIES	Standard Value	Test Method
Appearance	whitish fluid	MDA 008
Dry content (%)	15 ± 2	MDA 010/011
pH (1:10)	8 ± 1	MDA 004
Density (g/cm <sup>3</sup> )	1.01 ± 0.05	MDA 018

**STORAGE**

Non-dangerous product. Store between +5°C and 40°C.

**MINIMUM SHELF-LIFE**

The product is guaranteed for its physical and quality characteristics for 12 months from the date of production. It has to be kept in its original drum, well sealed and stored, following the conditions in our technical and safety data sheet.





## BINDER – 1060

**NATURE**

Aliphatic polyurethane in water dispersion.

**USE**

BINDER – 1060 is a tenacious, synthetic binder suitable for the polymeric finishing of all kinds of leather, embossed splits in particular, where it enables very good results to be obtained in terms of physical resistance, feel, appearance, lack of stickiness, incision and print retention. When added to covering mixtures produces finished leathers with very high mechanical properties, especially considering wet/dry rub fastness and flex resistance, even at low temperatures, due to the excellent tenacity, elasticity, medium-hardness features of its film.

PHYSICAL PROPERTIES	Standard Value	Test Method
Appearance	whitish milky fluid	MDA 008
Dry content (%)	35 ± 2	MDA 010/011
pH (1:10)	8.0 ± 1	MDA 004
Density (g/cm <sup>3</sup> )	1.02 ± 0.05	MDA 018

**STORAGE**

Store in a dry, cool, well-ventilated area between +5°C and 40°C. Keep from freezing. For safe use of the product, the information given in the safety data sheet should be carefully observed.

**MINIMUM SHELF-LIFE**

The product is guaranteed for its physical and quality characteristics for 12 months from the date of production. It has to be kept in its original drum, well sealed and stored, following the conditions in our technical and safety data sheet.



**BINDER – 1061****NATURE**

Aliphatic polyurethanes and dulling agents in water dispersion.

**USE**

Water-borne topcoat for upholstery leather with a high , non-repolishable grade of opacity and a waxy, smooth hand. BINDER – 1061 allows to reach outstanding finishing results with high wet-rubs, particularly when a crosslinker is added before use. BINDER – 1061 is applied by spray, in a quantity of 30-40 g/sq.m. without dilution.

<b>PHYSICAL PROPERTIES</b>	<b>Standard Value</b>	<b>Test Method</b>
<b>Appearance</b>	whitish fluid	MDA 008
<b>Dry content (%)</b>	16 ± 2	MDA 010/011
<b>pH (1:10)</b>	8.5 ± 1	MDA 004
<b>Density (g/cm<sup>3</sup>)</b>	1.01 ± 0.05	MDA 018

**STORAGE**

Non-dangerous product. Keep from freezing. Store between +5°C and 40°C.

**MINIMUM SHELF-LIFE**

The product is guaranteed for its physical and quality characteristics for 12 months from the date of production. It has to be kept in its original drum, well sealed and stored, following the conditions in our technical and safety data sheet.



## COMPACT MIXTURES / COMPOUNDS

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STUCCO – RT	24-25



It's a water based emulsion of polyurethane, polyacrylate and fillers.

**USE:** A compact compound used for shoes leather and other types of cattle leathers with skin. Besides easy processing advantage it also provides the advantage of having minimum stock. It creates a semi-glossy, flexible, soft film. It's drumming feature, wet and dry rubbing fastness properties are very satisfactory.

PHYSICAL PROPERTIES	
<b>FILM:</b>	Semi-opaque
<b>APPEARANCE:</b>	Whitish
<b>ACTIVE MATTER:</b>	%24±2
<b>PH:</b>	8.5
<b>IONIC CHARACTER:</b>	Anionic
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## ROTACOAT – SC

Water based emulsion of acrylic binders, waxes and fillers.

**USE:** This product is a compact mixture developed for the application on split and sanded leathers. It has got high covering power and good pressing ability. It does not make any adhesion problem. This compact mixture creates an ideal primer coating. It should be applied on split and sanded leathers in cross coat by a spray gun. It is applied in a way corresponding to 15 grams as per 1 cross coat. Following printing, it should be used in a 1 cross coat in a manner to correspond 6 gr per square foot. In roller coat applications, viscosity should be adjusted by the water ratio.

PHYSICAL PROPERTIES	
<b>FILM:</b>	Semi-gloss
<b>APPEARANCE:</b>	Whitish emulsion
<b>ACTIVE MATTER:</b>	%30±2
<b>PH:</b>	8.0
<b>IONIC CHARACTER:</b>	Anionic
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



Emulsion of polyacrylate and waxes in water.

**USE:** It is an anionic mixture giving best result for garment leather finishing. Processing easiness, no need to store many materials is a significant advantage. With perfect dry and wet fastness, it results in a soft film with natural touch. Leather adhesion and dry drumming properties are superior. Furthermore, this product is used safely for softy calfskin finishing.

<b>PHYSICAL PROPERTIES</b>	
<b>FILM:</b>	Transparent
<b>APPEARANCE:</b>	White colored liquid
<b>ACTIVE MATTER:</b>	%23±2
<b>PH:</b>	8.0
<b>IONIC CHARACTER:</b>	Anionic
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



# COMPACT-304C

## NATURE

Waxes and oils in cationic water emulsion.

## USE

COMPACT-304C is a soft , translucent, non film-forming cationic auxiliary which reduces and uniforms leather surface absorption while maintaining a fine soft break. COMPACT-304C is easily polishable, glazeable and is widely appreciated for its warm and waxy feel.

COMPACT-304C as a cationic prebottoming agent can be used alone, diluted with water, or together with more filling synthetic cationic polymers.

It can be dyed with basic liquid dyestuff or tinted with cationic pigments.

PHYSICAL PROPERTIES	Standard Value	Test Method
Appearance	whitish emulsion	MDA 008
Dry content (%)	16 ± 2	MDA 010/011
pH (1:10)	5.5 ± 1	MDA 004
Density (g/cm <sup>3</sup> )	0.87 ± 0.05	MDA 018

## STORAGE

Store in a dry, cool, well-ventilated area between +5°C and 40°C. Keep from freezing. For safe use of the product, the information given in the safety data sheet should be carefully observed.

## MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for 12 months from the date of production. It has to be kept in its original drum, well sealed and stored, following the conditions in our technical and safety data sheet.



## STUCCO – RT

**NATURE**

Polyurethane binders and natural and synthetic fillers in water dispersion.

**USE**

STUCCO-RT is an easy buffable prebottoming compound for corrected-grain and split leathers. It allows to get excellent sealing and surface levelling before finishing, as it covers small defects, uniforms leather appearance and fullness and regularizes the absorption degree of subsequent finishes.

STUCCO-RT forms a rubbery, elastic, matt film. The product has been formulated so that it requires the addition of 15-20% of water before application on the leather. This operation allows the viscosity to be regulated to the desired degree. Any remaining ROTAPASTE already diluted may give rise to surface layers, so careful stirring is needed before use.

The application of ROTAPASTE improves leather quality, but even if the surface film obtained is excellent from a technical point of view, flexing endurance could be affected since more of it stays on the surface. We therefore recommend carrying out some specific preliminary tests before adoption.

**EXAMPLE OF USE**

STUCCO-RT is applied by rollercoater at a viscosity of 20" Ford Cup N. 6. Apply 60-80 g/sq.m. After application, dry plate at 80°C, 100 atm and buff normally with 240 paper.

PHYSICAL PROPERTIES	Standard Value	Test Method
Appearance	whitish fluid paste	MDA 008
Dry content (%)	22 ± 2	MDA 010/011
pH (1:10)	9 ± 1	MDA 004
Density (g/cm <sup>3</sup> )	0.73 ± 0.05	MDA 018

**STORAGE**

Store in a dry, cool, well-ventilated area between +5°C and 40°C. Keep from freezing. For safe use of the product, the information given in the safety data sheet should be carefully observed.





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**STUCCO – RT****MINIMUM SHELF-LIFE**

The product is guaranteed for its physical and quality characteristics for 12 months from the date of production. It has to be kept in its original drum, well sealed and stored, following the conditions in our technical and safety data sheet.



## WAXES

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WAX - 145	32



Combination of natural wax, synthetic wax and proteins.

**USE :** It can be applied with roller coat or spray gun. Plain press should be applied at 100°C temperature. A glossy fragile film is obtained. During leather drumming process, it gives cracking and pull up effect to the leather. In practice, 2-4% penetrator HP is added. If necessary, it can be diluted with water. In addition, it is applied as a protective top coat in crust and lining leathers through spray gun.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Milky white, liquid
<b>ACTIVE MATTER:</b>	%20 ± 2
<b>PH:</b>	7.0 ± 1.0
<b>DENSITY:</b>	1.0 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## WAX - 218

It's an emulsion of natural wax.

**USE:** It gives a natural touch to the leather, increases the rubbing fastness. It is added 10-30 gr/lit for the base coats and 30-50 gr/lit for finishing mixtures.

PHYSICAL PROPERTIES	
APPEARANCE:	Yellowish liquid
ACTIVE MATTER:	% 20 ± 2
PH:	7.0 ± 1.0
DENSITY:	1.0 g/cm <sup>3</sup>
STORAGE:	Safe product, protect from freezing and extreme heat.



## WAX - 3014

Emulsion of synthetic waxes and softening oils.

**USE:** It is especially added as a primer coating for softening of hard leathers. (20-40 gr/l). Besides, it is applied on crust leathers through roller-coat or by diluting with the water at a rate of 1:3. Following to pressing, darkening (pull-up) effect is attained.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Cream, paste
<b>ACTIVE MATTER:</b>	%32 ± 2
<b>PH:</b>	7.5
<b>DENSITY:</b>	0.96 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## WAX - EX

An emulsion formed from the mixture of natural and synthetic waxes.

**USE:** It provides polishing property for the leathers with skin. It is applied by spray gun following dilution with water. It delivers darkening and wrinkling effect in rustic type crust leathers. It penetrates into leather following drying at 80°C. After pressing, a glossy cracking effect is obtained.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Beige, liquid
<b>ACTIVE MATTER:</b>	%20 ± 2
<b>PH:</b>	7.5 - 8.0
<b>DENSITY:</b>	0.98 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## WAX - F

It's a dispersion consisting of the mixture of soft synthetic waxes.

**USE:** It is used in paint mixtures for all leather finishings. As well as the feature of filling leather, it also hinders adhesion and gains touche. It should be used 25-30% rate of binder amount. It improves printing and pressing characteristics. It prevents adhesion during hot stacking of leathers.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Milky white, liquid
<b>ACTIVE MATTER:</b>	%18 ± 2
<b>PH:</b>	8.00 ± 1.00
<b>DENSITY:</b>	0.97 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## WAX - 145

It's a slightly cationic wax emulsion.

**USE:** Not slippery and natural feeling. Suitable to cationic systems. Provides very good filling and homogenous surface. It can be used alone on top coats.

PHYSICAL PROPERTIES	
APPEARANCE:	Milky white, liquid
ACTIVE MATTER:	%10 ± 1
PH:	4 - 4,5
DENSITY:	0.97 g/cm <sup>3</sup>
STORAGE:	Safe product, protect from freezing and extreme heat.





## OILS

<b><u>Product Name</u></b>	<b><u>Page</u></b>
OE - 109	34
OE - 606	35
O - 133	36
O - 103P	37
SG - 139	38



It's a concentrated oil emulsion used when high darkening effect is desired for leather.

**USE:** It may be applied by roller coat without heating requirement. If penetration of leather is low, some penetrator should be added. After well drying, hot press is applied at 70°C -120°C. This product can be mixed with other oils and wax emulsions. This oil may also be used with spray gun after diluting with water.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Milky white, liquid
<b>ACTIVE SUBSTANCE:</b>	%56±2
<b>PH:</b>	8.0
<b>DENSITY:</b>	0.96 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



**NATURE**

Emulsion of the oils giving softness.

**USE**

It may be added by diluting with water at each rate for softening the crust leathers which come out hard from tanning & fatliquoring process especially for sheep and calf leather, also used by adding in paint mixtures at 5-10% rate for the same purpose. When applied on nubuck and suede leathers by mixing with water; an oily, humid appearance is obtained. Sand powders on leather are also eliminated.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Cream colored liquid
<b>ACTIVE SUBSTANCE:</b>	%35±2
<b>PH:</b>	7.0
<b>DENSITY:</b>	0.98 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



Mixture of natural and synthetic waxes and oils. It contains no solvent.

**USE:** It's an oil with low melting point. Applied by roller coat at temperatures between 40-50°C. Soft plain press is made. It gives water repellency property to the leather. Pull-up effect and a soft filling touch is obtained.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Yellowish opaque, liquid
<b>ACTIVE SUBSTANCE:</b>	%100
<b>DENSITY:</b>	0.88 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



Mixture of synthetic oils. It contains no solvent.

**USE:** It is applied with spray gun or roller coat. Later, plain press is made. It gives darkening and pull-up effect. No heating is required. Homogenous darkening and touching is obtained.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Yellowish, amber viscous liquid
<b>ACTIVE SUBSTANCE:</b>	%100
<b>DENSITY:</b>	0.89 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product



Mixture of synthetic oils and waxes.

**USE:** It may either be applied with buffer or via heated roller coat. (40-50°C). It is pressed at 70°C-80°C. Fills the leather and water resistance property is adequate. It gives darkening effect and "Crazy Horse" effect to leather.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Yellowish, paste
<b>ACTIVE SUBSTANCE:</b>	%100
<b>DENSITY:</b>	0.94 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product



## AUXILIARIES

<b><u>Product Name</u></b>	<b><u>Page</u></b>
PENETRATOR - HP	40
PENETRATOR - QP	41
DC - MATT	42
NC - MATT	43
EWR - 7130	44
ROTAGUARD - 7300	45
SOFT WS - 2020	46



## PENETRATOR-HP

Surfactant in water-alcohol mixture.

**USE:** A mixture enhancing penetration of leather. It comprises from special tensio-active substances and solvents. This substance provides penetration of the mixtures of pigment, dye and binder into leather. It may be used compatible with anionic polymer emulsions. It removes the substances such as oil, etc. which may be found on surface of lining leather and hinder the diffusion of dye into leather. This penetrator ensures rigid binding of dye on leather. Furthermore, it provides smooth application of color mixtures, prevents color difference on leather. In general, it should be used as much as 3-5% of dye mixture.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Yellowish, transparent, liquid
<b>ACTIVE SUBSTANCE:</b>	% 24±2
<b>PH:</b>	7,5± 1.0
<b>DENSITY:</b>	1.0 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.





# PENETRATOR-QP

Mixture of water-glycol solution and surfactant.

**USE:** A strong penetrator which increases penetration and used with filler binders particularly. This surfactant is utilized with anionic polymer emulsions compatibly.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Colorless, liquid
<b>ACTIVE SUBSTANCE:</b>	% 36 + 2
<b>PH:</b>	7.5± 1.0
<b>DENSITY:</b>	0.98 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## DC - MATT

Protein based matting agent.

**USE:** This agent is added up to 10% in dye mixtures. In addition to matt appearance, it prevents adhesion in press. Besides, it is used in water based lacquer emulsions. Add 20-60 g per liter.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Opaque, viscous white liquid
<b>DRY MATTER:</b>	%16 ± 1
<b>PH:</b>	7,0
<b>DENSITY:</b>	1,07g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## NC - MATT

Nitrocellulose and solvent based matting agent.

**USE:** This agent mixes with nitrocellulose lacquer regardless of rate. Besides, it is applied with paint blaster by diluting with matt thinner at ½ rate. 8-10% touche should be added in this mixture.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Opaque, viscous, whitish liquid
<b>DRY MATTER:</b>	% 12 ± 1
<b>DENSITY:</b>	0,97 g/cm <sup>3</sup>
<b>STORAGE:</b>	FLAMMABLE PRODUCT



Emulsion of synthetic polymers in water.

**USE:** a product used to gain water repellent property to suede and nubuck leathers. Moreover, it raises the resistance of leathers against oils and dirt. As a result of this application, vitality and gloss are obtained. By diluting at necessary rate with water, cross spraying is made once.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	White liquid
<b>ACTIVE MATTER:</b>	%20±1
<b>PH:</b>	7.5±1.0
<b>DENSITY:</b>	1.02 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect against freezing and extreme heat.



# ROTAGUARD-7300

Solution of synthetic polymers in organic solvent.

**USE:** It gains water repellent and resistance to water for leather, suede and nubuck leathers. Besides, this repellent ensures protection against contamination and oil. By diluting with butyl acetate or ketone at 1:3 rate, one time cross spraying is done.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Yellowish liquid
<b>ACTIVE MATTER:</b>	%8±1
<b>DENSITY:</b>	0.88 g/cm <sup>3</sup>
<b>STORAGE:</b>	FLAMMABLE PRODUCT



## SOFT WS -2020

Water based emulsion of micro emulsion wax and cationic materials.

**USE:** This product is utilized for eliminating hardness in suede leather and especially obtaining vitality in black and dark colors. As to nubuck leathers, it provides binding of the powders remaining after buffing and the homogeneity of color additionally. By diluting with water at necessary rates, one time cross spraying is made.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Emulsion with milky appearance
<b>ACTIVE MATTER:</b>	%22±2
<b>PH:</b>	7.0±1.0
<b>DENSITY:</b>	0.98 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## PIGMENTED NITRO CELULOSE LACQUERS

It is used alone by diluting with solvents at 1:3 rate. Its covering features are very high. Its film has soft character and not lead to cracking. This lacquer may also be used by mixing with nitro cellulose lacquers. It may also be utilized as upper coat for two colored leather finishing.

COLOUR	PIGMENT TYPE	SOLID [%]
WHITE	INORGANIC	30
GLOSSY BLACK	ORGANIC	10
MATT BLACK	ORGANIC	18
DEEP BROWN	ORGANIC - INORGANIC	18
BROWN	IRON OXIDE	18
RED BROWN	INORGANIC	18
CARAMEL	ANORGANIC	18
CLARET RED	ORGANIC	14
RED	ORGANIC	14
DEEP RED	ORGANIC	14
ORANGE	INORGANIC	16
LEMON YELLOW	CHROMATE	18
GOLD YELLOW	ORGANIC	14
DARK BLUE	ORGANIC	20



# WATER BASED PIGMENT PASTES

Dispersions of ORGANIC and INORGANIC pigments in water.

Pigment pastes contain no casein. Therefore, they have higher covering and better penetration feature. Besides, they are fully resistant to microbic agents (putrefaction). They have long stocking life, do not make precipitation. Even in long waiting, they become homogenized completely with ordinary mixing. In requisite cases, casein solutions should be added in dye mixtures in various rates and stages.

COLOURS	PRODUCT CODE	TYPE OF PIGMENT	SOLID [%]	PROPERTIES
JET BLACK	B109	ORGANIC / INORGANIC	14	Low covering
BLACK – PP	B104	ORGANIC	16	Low opacity, glossy
DEEP BLACK	B107	ORGANIC	16	Opaque, matt
BLACK – D	B108	ORGANIC	22	Opaque, matt
NAVY BLUE	B208	ORGANIC	20	Low opacity
BLUE	B201	ORGANIC	20	Low opacity
GREEN	B701	ORGANIC	20	Low opacity
LEMON YELLOW	B501	ORGANIC	30	Opaque
GOLD YELLOW	B513	ORGANIC	24	Low opacity
ORANGE	B508	INORGANIC	26	Opaque
ORANGE	B319	ORGANIC	20	Low opacity





## WATER BASED PIGMENT PASTES

COLOURS	PRODUCT CODE	TYPE OF PIGMENT	SOLID [%]	PROPERTIES
OXIDE YELLOW	B503	IRON-OXIDE	30	Opaque
OXIDE RED	B306	IRON-OXIDE	30	Opaque
RED BROWN	B305	IRON-OXIDE	30	Opaque
BROWN	B318	ORGANIC	20	Low opacity
DARK BROWN	B302	IRON-OXIDE	30	Opaque
DARK BROWN	B317	ORGANIC	20	Low opacity
SCARLET	B601	ORGANIC	24	Low opacity
MAGENTA	B602	ORGANIC	20	Low opacity
BORDEAUX	B801	ORGANIC	20	Low opacity
VIOLET	B202	ORGANIC	20	Low opacity
WHITE – E	B402	TITANIUM DIOXIDE	56	Opaque, natural white
WHITE – S	B401	TITANIUM DIOXIDE	54	Opaque, super white
WHITE – SE	B403	TITANIUM DIOXIDE	50	Opaque, optic white

Note: PH values of water based pigment pastes are between 8-8.5



# ANILINE DYES

**USE:** These substances are used alone with solvents or together with solvent varnishes and lacquers for coloring purpose.

COLOURS	PROPERTIES
BLACK	Transparent
BROWN	Transparent
RED BROWN	Transparent
CLARET RED	Transparent
RED	Transparent
DARK YELLOW	Transparent
YELLOW	Transparent
TURQUOISE	Transparent
DARK BLUE	Transparent



## SOLVENT AND WATER BASED LACQUERS

<b><u>Product Name</u></b>	<b><u>Page</u></b>
LAK - BL	52
LAK - GL	53
LAK - SL	54
LAK - VL	55
HL - 144	56
HL - 155	57
HL - 161	58



Nitro cellulose lacquer with hard, brittle film character.

**USE:** By diluting with solvent at 1:1 rate, it is applied with paint blaster. By rotating in dry milling following plain pressing, cracking of lacquer film on leather is prevented.

PHYSICAL PROPERTIES	
APPEARANCE:	Yellowish liquid
ACTIVE MATTER:	%14±1
DENSITY:	0.94 g/cm <sup>3</sup>
STORAGE:	FLAMMABLE PRODUCT



Medium soft nitro cellulose lacquer giving transparent, very glossy film.

**USE:** This lacquer is used by diluting at 1:3 or 1:4 rate. Resistant to hot pressing. It is employed for the finishing of florantic (open) leather and glace for which glossiness is significant.

PHYSICAL PROPERTIES	
APPEARANCE:	Viscous, yellowish liquid
ACTIVE MATTER:	%26±2
DENSITY:	0.96 g/cm <sup>3</sup>
STORAGE:	FLAMMABLE PRODUCT



Transparent, glossy, nitro cellulose lacquer.

**USE:** It is formulated especially for finishing of upper leather. This lacquer is the product of last coat fixing with glossy, medium hard structure. This product makes contribution to leather during pressing. This product having very good wet and dry rubbing fastness is used by diluting with solvent at the rate 1:2 or 1:3.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Viscous, yellowish liquid
<b>ACTIVE MATTER:</b>	%20±1
<b>DENSITY:</b>	0.94 g/cm <sup>3</sup>
<b>STORAGE:</b>	FLAMMABLE PRODUCT



## LAK-VL

Transparent, glossy, colorless nitro cellulose lacquer.

**USE:** A universal lacquer used for finishing of garment leather and soft leather. It is utilized by diluting with solvent at 1:2 rate. It has good strength against heat and pressing. This product creates natural, glowing, soft film. Strength of dry milling and the wet and dry rubbing fastness is fine. Touche substances should be added at necessary rate.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Yellowish liquid
<b>ACTIVE MATTER:</b>	% 14±1
<b>DENSITY:</b>	0.94 g/cm <sup>3</sup>
<b>STORAGE:</b>	FLAMMABLE PRODUCT



Nitro cellulose based lacquer emulsion with medium glossy.

**USE:**This lacquer is used to bind dye in interim and last coats. Pressing and miling strength is high. It improves dry and wet rubbing fastness of finishing. This product is applied in spray by diluting with water at 2:1 or 1:1 rate.

PHYSICAL PROPERTIES	
APPEARANCE:	Whitish liquid
ACTIVE MATTER:	%14 ± 1
DENSITY:	0.98 g/cm <sup>3</sup>
STORAGE:	FLAMMABLE PRODUCT





**NATURE**

Glossy nitro cellulose lacquer emulsion.

**USE**

A good nitro cellulose emulsion with glossy, silky touche that may be used as last coat lacquer for all kinds of leather types, whose general fastness are well. This product is applied by diluting with water at 1:1 or 1:5 rate. When necessary, touche substances are added.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Whitish liquid
<b>ACTIVE MATTER:</b>	%17±1
<b>DENSITY:</b>	0.98 g/cm <sup>3</sup>
<b>STORAGE:</b>	FLAMMABLE PRODUCT



**NATURE**

Semi matt nitro cellulose emulsion.

**USE**

This lacquer applied as last coat for the leathers that matt appearance is desired. It has got high wet and dry rubbing strength. This product is applied by diluting with water at 2:1 or 1:1 rate. When necessary, touche chemicals are added.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Whitish liquid
<b>ACTIVE MATTER:</b>	%16±1
<b>DENSITY:</b>	0.98 g/cm <sup>3</sup>
<b>STORAGE:</b>	FLAMMABLE PRODUCT



## FEEL MODIFIERS

<b><u>Product Name</u></b>	<b><u>Page</u></b>
MODIFIER - SB	60
MODIFIER - OS	61
MODIFIER - W9	62
MODIFIER - WB	63
MODIFIER - WS	64



## MODIFIER-SB

Solvent solution of modified polysiloxane.

**USE:** A touche material having long time permanent effect with the polymeric features of active substance. This modifier protects leather against binder contamination. It improves wet and dry rubbing fastness. This product is added lacquer and solvent nitro emulsions at the rate 2-3 %. It may also be employed by diluting with solvent at the rate 1:10.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Transparent liquid
<b>ACTIVE MATTER:</b>	%12±1
<b>DENSITY:</b>	0.81 g/cm <sup>3</sup>
<b>STORAGE:</b>	FLAMMABLE PRODUCT



## MODIFIER-OS

Solvent solution of modified polysiloxane.

**USE:** This modifier is added at the rate 3-5 % in lacquer and nitro cellulose emulsions. A touche material with permanent effect. It improves dry and wet rubbing strength. This product may also be utilized alone by diluting with solvent 1:10. Not appropriate for white leathers.

PHYSICAL PROPERTIES	
APPEARANCE:	Transparent liquid
ACTIVE MATTER:	%12±2
DENSITY:	0.81 g/cm <sup>3</sup>
STORAGE:	FLAMMABLE PRODUCT



## MODIFIER-W9

Emulsion of polysiloxane in water.

**USE:** This modifier is added as a silky pretty touche developer into water based polyurethane top coats or other lacquer emulsions. Furthermore, it raises wet and dry rubbing strength. This product delivers silky and good writing effect in dry milling procedure of suede and nubuck leathers. It increases effect of not keeping dust.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Whitish liquid
<b>ACTIVE MATTER:</b>	%12.5±2
<b>PH:</b>	7.0±1.0
<b>DENSITY:</b>	1.00 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## MODIFIER-WB

An emulsion mixing with water regardless of rate.

**USE:**As well as using with hydro lacquers as giving touche, by adding with water at 1:4 rate, a good touche is attained. Furthermore, with adding as much as 10% of dye amount into dye mixtures, it hinders sticking each other of leathers during stacking and pressing. It gives a soft oiled touche.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Milky white liquid
<b>ACTIVE MATTER:</b>	%14±1
<b>PH:</b>	5,0±1
<b>DENSITY:</b>	0.98 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## MODIFIER-WS

Emulsion of polysiloxane in water.

**USE:** a touche material giving a silky slight slippery touche. When added into nitro cellulose emulsions and water based mixtures, it improves wet and dry rubbing fastness. In addition, it prevents sticking each other of leathers.

PHYSICAL PROPERTIES	
APPEARANCE:	White liquid
ACTIVE MATTER:	%10±1
PH:	5,0±1
DENSITY:	1,0 g/cm <sup>3</sup>
STORAGE:	Safe product, protect from freezing and extreme heat.





## PU TOP COATS

<b><u>Product Name</u></b>	<b><u>Page</u></b>
PTC - 18	65
PTC - 120	66
PTC - 133	67
PTC - 330	68



Dispersion of aliphatic polyurethane in water.

**USE:** Last coat material ready for water based application. It forms a durable, glossy film which is bound on leather very well. This product increases strength of finishing against scratching. It is convenient for water based patent leather applications. Wet and dry rubbing fastness and the flexing endurance of film are fine.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Transparent liquid
<b>ACTIVE MATTER:</b>	28±2
<b>PH:</b>	8.0
<b>DENSITY:</b>	1,03 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## PTC – 120

**NATURE**

Aliphatic polyurethanes in water dispersion.

**USE**

PTC – 120 is a waterborne lacquer characterised by an exceptional brightness and transparency, that finds a specific use in leathersgoods and shoe finishing.

It forms a glossy, transparent, medium-hard film, with a high covering power and very good mechanical fastness.

In black finishings, PTC – 120 may be coloured with 1-2% of a specific black dye which improves transparency and deepness of shade.

PTC – 120 is applied by rollercoater in 2 or more coats, with the addition of 1-2% of the aziridine crosslinker, if desired.

PHYSICAL PROPERTIES	Standard Value	Test Method
Appearance	whitish fluid	MDA 008
Dry content (%)	16 ± 2	MDA 010/011
pH (1:10)	8.5 ± 1	MDA 004
Density (g/cm <sup>3</sup> )	1.01 ± 0.05	MDA 018

**STORAGE**

Non-dangerous product. Keep from freezing. Store between +5°C and 40°C.

**MINIMUM SHELF-LIFE**

The product is guaranteed for its physical and quality characteristics for 12 months from the date of production. It has to be kept in its original drum, well sealed and stored, following the conditions in our technical and safety data sheet.



Dispersion of aliphatic polyurethane in water.

**USE:** Elastic, medium soft last coat polyurethane. This product is used for leather types of upper, upholstery, leather craft. It improves fastness of finishing. When used as last coat, it is applied directly without diluting with water.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Whitish liquid
<b>ACTIVE MATTER:</b>	16±1
<b>PH:</b>	8.0±1.0
<b>DENSITY:</b>	1,02 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



Dispersion of aliphatic polyurethane and matting agent in water.

**USE:** A last coat fixation material having water based, matt, rubber touche film for upper and upholstery leathers. When this product ready for use is employed with binder addition, value of wet and dry rubbing fastness increases more.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Whitish liquid
<b>ACTIVE MATTER:</b>	%16±1
<b>PH:</b>	7,5±1.0
<b>DENSITY:</b>	1.02 g/cm <sup>3</sup>
<b>STORAGE:</b>	Safe product, protect from freezing and extreme heat.



## PROTEIN BINDERS

<b><u>Product Name</u></b>	<b><u>Page</u></b>
CAS - 1001	71
CAS - 1003	72
CAS - 1005	73
CAS - 1007	74
CAS – 754	75
CAS - 758	76
CAS – 151C	77



**NATURE**

Protein binder in water solution.

**USE:** RTP – 401 is a modified protein binder which is very bright and slightly plasticized. Added to the finishing mixtures in general, RTP – 401 improves heat and rub resistance facilitating mechanical operations.

When RTP – 401 is employed as an additive in finishes to be glazed, it greatly improves brightness and produces a smooth feel.

PHYSICAL PROPERTIES	Standard Value	Test Method
Appearance	viscous yellowish fluid	MDA 008
Dry content (%)	16 ± 2	MDA 010/011
pH (1:10)	8.5 ± 1	MDA 004
Density (g/cm <sup>3</sup> )	1.02 ± 0.05	MDA 018

**STORAGE**

Store in a dry, cool, well ventilated area between +5 and 40°C. Keep from freezing. For safe use of the product, the information given in the safety data sheet should be carefully observed.

**MINIMUM SHELF-LIFE**

The product is guaranteed for its physical and quality characteristics for at least 12 months from the date of production. It must be kept well sealed and stored in its original drum according to the conditions in technical and safety data sheet.



Modified protein based binder.

**USE:** This product is most suitable for glazing but it also works well in all kinds of glossy leather finishes. Due to its special structure it can be combined with water and any other anionic finishing products. The film dries very fast after applying on the surface. So sticking of the finish to the hot iron is prevented. After fixation of the film it shows a high wet rubbing fastness. Applying in combination with CAS-1005 facilitates the glazing process remarkably. It promotes the burnishing effect on the tips of the grains when applied with aniline dyes.

PHYSICAL PROPERTIES	
<b>APPEARANCE:</b>	Yellow, non viscous liquid
<b>SOLID CONTENT:</b>	%12±0.5
<b>PH:</b>	7.0-8.0
<b>FILM APPEARANCE</b>	glossy
<b>STORAGE</b>	Safe product, protect from freezing and extreme heat. Shelf life: 12 months when stored at +5/+30 °C





It is a concentrated protein binder dispersion specially developed for glaze finishes.

**USE:** Due to hardness it reduces thermo-plasticity of the other soft binder films in the finish. After fixation, a very stiff film with high wet rubbing fastness is achieved.

PHYSICAL PROPERTIES	
APPEARANCE:	Whitish, viscous liquid
SOLID CONTENT:	% 12±1
PH:	8±1
FILM PROPERTIES	Hard, very glossy, not elastic
STORAGE	Safe product, protect from freezing and extreme heat. Shelf life : 12 months when stored at +5/+30 °C



Plasticized casein binder dispersion.

**USE:** When applied it increases the dry rub fastness of the finish and enhances the gloss of the leather. It also prevents sticking of the finish in the hot ironing stage. It can be used with any anionic and nonionic polymer dispersions and pigment pastes. It is very suitable for soft leatherwear but it also works well in all types of leather finishing. It gives a silky, soft and natural touch to the leather.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Brownish liquid
<b>SOLID:</b>	%12±1.0
<b>PH:</b>	9.0±1.0
<b>FILM PROPERTIES</b>	Soft, glossy
<b>STORAGE</b>	Safe product, protect from freezing and extreme heat. Shelf life : 12 months when stored at +5/+30 °C



It's a synthetic , modified casein and produces aa very tough, flexible and transparent film.

**USE:** Used in aqueous base and top coats. Improves considerable the acetone/ solvent resistance. Gives very natural aspect and handle.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Yellow, medium viscose liquid
<b>SOLID:</b>	%17±1.0
<b>PH:</b>	7,0 – 8,0
<b>FILM PROPERTIES</b>	Tough, flexible and transparent
<b>STORAGE</b>	Safe product, protect from freezing and extreme heat. Shelf life : 12 months when stored at +5/+30 °C



It's a synthetic , modified casein and produces a very tough, flexible and transparent film.

**USE:** Used in aqueous base and top coats. Improves considerably the acetone/solvent resistance. Gives very natural aspect and handle.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Yellow, medium viscose liquid
<b>SOLID:</b>	%17±1.0
<b>PH:</b>	7,0 – 8,0
<b>FILM PROPERTIES</b>	Tough, flexible and transparent
<b>STORAGE</b>	Safe product, protect from freezing and extreme heat. Shelf life : 12 months when stored at +5/+30 °C



## CAS - 151C

It's a solution of a cationic binder.

**USE:** It has a soft film with good filling properties. Compatible with all cationic products. Good glazing properties.

<b>PHYSICAL PROPERTIES</b>	
<b>APPEARANCE:</b>	Opaque light yellowish liquid
<b>SOLID:</b>	%6±1.0
<b>PH:</b>	2,0 – 3,0
<b>FILM PROPERTIES</b>	Soft , glossy
<b>STORAGE</b>	Safe product, protect from freezing and extreme heat. Shelf life : 12 months when stored at +5/+30 °C















# Sertifika

certificate

## KALİTE YÖNETİM SİSTEMİ QUALITY MANAGEMENT SYSTEM



### ROTA KİMYA SAN. VE TİC. A.Ş.

İkitelli Organize Sanayi Bölgesi Galvano Teknik San. Sitesi A Blok No: 73  
Başakşehir - İSTANBUL

#### Kapsam/Scope

Ayakkabılık, saraciyelik ve giyimlik derilerin modern yönelik spesifik kimyasalların üretimi  
Manufacturing of chemicals which are used at modern finishing oriented of leathers for shoes, saddlery, clothing

## ISO 9001:2008

Inspect ilgili kuruluşun yukarıda belirtilen standardın gereklerine uygunluğunu ilgili kapsamda  
tetkik etmiş olup onaylamaktadır.

Inspect assessed and approved that related firm meets the requirements of the designated standard at related scope

İlk yayın tarihi : 03.03.2014  
Date of initial Issue

Bu sertifikanın yayın tarihi : 14.03.2016  
Issue date of this Certificate

Bu sertifikanın geçerlilik tarihi : 02.03.2017  
Validity date of this certificate

Yeniden belgelendirme tarihi : 02.03.2017  
Recertification Date

Sertifika No : 14.02.205-00  
Certificate No

EA Kodu : 12  
EA Code



Kalite Yönetim Sistemi  
TS EN ISO/IEC 17021  
A18-010206

Genel Müdür  
General Manager

İncilipınar mahallesi 57 no.lu sokak Ekip İş Mrk. Kat: 6 No: 33

Şişli/İstanbul/Çarşılar

Sertifikanın geçerliliği güzlenin denetimlerine başarıyla gerçekleştirilmesine bağlıdır.  
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