INNOVATIONS



FORMALDEHYDE-FREE LEATHERS NOW YOU CAN

FORMALDEHYDE-FREE LEATHERS... NOW YOU CAN

The continuous research of innovation drove KLF Tecnokimica to formulate tanning and retanning auxiliaries with no Formaldehyde

contents...

It is in this spirit that the KLF Tecnokimica labs have tailored the most important processes of the leathers required by fashion with chemical, tanning and retanning auxiliaries whose active ingredients are Formaldehyde-free and, as a result, whose finished product contains no formaldehyde

KLF Tecnokimica, exploiting the high degree of knowledge and implementation skills acquired in years of work and studies on the manufacture



and application of chemicals for the tanning industry, drew up tannage and retannage processes which provide, on one side, finished leather able to meet the requests of the current legislation as well as the requests of specifications required by finished leather's users , and, on the other side, adding quality to item's look and characterization without prejudicing its technical features...

- Nappas with features of roundness, softness and technical resistance;
- Firm, full and round leathers for footwear;
- Very reactive semi-vegetable brushable and glazable leathers
- Soft and resistant leathers for upholstery
- Soft and smooth leathers for garment

all qualities necessary to characterize the leathers required by the market but, at the same time, with its Formaldehyde-free products, KLF Tecnokimica ensures a formaldehyde-free and phenol-free finished product with low contents of Sulphates in the manufacturing baths.

FORMALDEHYDE-FREE LINE

FILTAN XS
FILTAN PAN
FILTAN GUM
LEDERTAN RC
LEDERTAN STM

SHOE UPPER LEATHER				
Products	°C	%	Rot. Min	Check
WATER	40°	200		
OXALIC ACID		0.5		
IDROFIL 800		0.3	40'	DRAIN WASH
WATER	30°	100		
CHROME 33°Sch		3		
LEDERSINT HC LIQ		8	60'	
FILTAN PAN		3		
EMULOIL SINT CONC		1	40'	
SODIUM ACETATE		3		
LEDER RIV PO2		1	120′	OVER NIGHT MORNING DRAIN WASH
WATER	30°	100		
LEDERTAN RC		6	30 ʻ	
LEDERFILLER CK		3		
LEDERTAN TA		5		
QUEBRACHO ATO		3	75	DRAIN
			,	
WATER	50°	150		
FILTAN XS		8	20'	
SOLFOIL E		2		
SOLFOIL HW		2		
EMULOIL BZ		2	60'	
LEDERTAN STM		5	30'	
FORMIC ACID		0.5	20′	DRAIN WASH
DYEING				
				HORSE UP OVER NIGHT
				SETTING OUT
				VACUUM DRY



Products °C % Rot. Min Check Min WATER 40 200 IDROFIL 800 0.3 DRAIN WASH FORMIC ACID 0.5 30 DRAIN WASH WATER 30 100 CHROME 33°SCH 3 LEDERSINT HC LIQ 10 30 EMULOIL SINT CONC. 1 40 SODIUM FORMIATE 1 120 OVER NIGHT MORNING DRAIN WASH WATER 40 200 NEUTRAL N/AS 2 SDIUM FORMIATE 1 10 SODIUM BICARBONATE 0.8 30 ph 5.5 DRAIN WASH WATER 25 100 SOLFOIL HW 1 10 LEDERTAN TA 6 20 LEDERFILLER CK 3 90 DRAIN WATER 50 200 FILTAN XS 8 30 SOLFOIL HW 4 SOLFOIL HW 4 60 FILTAN GUM 5 30 DRAIN FORMIC ACID 0.5 30 DRAIN	NAPPA LEATHER GOODS					
IDROFIL 800	Products	°C	%		Check	
FORMIC ACID WATER CHROME 33°SCH LEDERSINT HC LIQ EMULOIL SINT CONC. SODIUM FORMIATE WATER WATER 40 SODIUM FORMIATE WATER SODIUM FORMIATE 10 SODIUM FORMIATE 110 SODIUM FORMIATE 110 SODIUM FORMIATE 110 SODIUM BICARBONATE 110 SOLIUM BICARBONATE 25 100 SOLFOIL HW 110 LEDERTAN RC LEDERTAN TA LEDERFILLER CK 30 DRAIN DRAIN WATER 50 200 FILTAN XS 8 30 SOLFOIL HW 4 SOLFOIL HW 50 FILTAN SPEC LEDEROL ES/F 4 60 FILTAN GUM 5 30 DRAIN DRA	WATER	40	200			
WATER 30 100 CHROME 33°SCH 3 LEDERSINT HC LIQ 10 30 EMULOIL SINT CONC. 1 40 SODIUM FORMIATE 1 120 OVER NIGHT MORNING DRAIN WAS WATER 40 200 NEUTRAL N/AS 2 SDIUM FORMIATE 1 10 SODIUM BICARBONATE 0.8 30 pH 5.5 DRAIN WASH WATER 25 100 SOLFOIL HW 1 10 LEDERTAN RC 6 20 LEDERTAN TA 6 LEDERFILLER CK 3 90 DRAIN WATER 50 200 FILTAN XS 8 30 SOLFOIL HW 4 SOLFOIL WM SPEC 2 LEDEROL ES/F 4 60 FILTAN GUM 5 30	IDROFIL 800		0.3			
CHROME 33°SCH	FORMIC ACID		0.5	30	DRAIN WASH	
LEDERSINT HC LIQ	WATER	30	100			
EMULOIL SINT CONC. 1 40 SODIUM FORMIATE 1 120 OVER NIGHT MORNING DRAIN WAS MORNING DRAIN	CHROME 33°SCH		3			
SODIUM FORMIATE 1	LEDERSINT HC LIQ		10	30		
WATER 40 200 NEUTRAL N/AS 2 SDIUM FORMIATE 1 10 SODIUM BICARBONATE 0.8 30 pH 5.5 DRAIN WASH WATER 25 100 SOLFOIL HW 1 10 LEDERTAN RC 6 20 LEDERTAN TA 6 LEDERFILLER CK 3 90 DRAIN WATER 50 200 FILTAN XS 8 30 SOLFOIL HW 4 SOLFOIL WM SPEC 2 LEDEROL ES/F 4 60 FILTAN GUM 5 30			1	40		
NEUTRAL N/AS 2 SDIUM FORMIATE 1 10 SODIUM BICARBONATE 0.8 30 ph 5.5 DRAIN WASH WATER 25 100 SOLFOIL HW 1 10	SODIUM FORMIATE		1	120	OVER NIGHT MORNING DRAIN WASH	
SDIUM FORMIATE 1 10 SODIUM BICARBONATE 0.8 30 ph 5.5 DRAIN WASH WATER 25 100 SOLFOIL HW 1 10 LEDERTAN RC 6 20 LEDERTAN TA 6 LEDERFILLER CK 3 90 DRAIN WATER 50 200 FILTAN XS 8 30 SOLFOIL HW 4 SOLFOIL WM SPEC 2 LEDEROL ES/F 4 60 FILTAN GUM 5 30 5 30	WATER	40	200			
SODIUM BICARBONATE 0.8 30 ph 5.5 drain wash WATER 25 100 50LFOIL HW 1 10 10	NEUTRAL N/AS		2			
WATER 25 100 SOLFOIL HW 1 10 LEDERTAN RC 6 20 LEDERTAN TA 6 LEDERFILLER CK 3 90 DRAIN WATER 50 200 FILTAN XS 8 30 SOLFOIL HW 4 SOLFOIL WM SPEC 2 LEDEROL ES/F 4 60 FILTAN GUM 5 30	SDIUM FORMIATE		1	10		
SOLFOIL HW LEDERTAN RC LEDERTAN TA LEDERFILLER CK 50 20 PILTAN XS SOLFOIL HW SOLFOIL WM SPEC LEDEROL ES/F FILTAN GUM 1 10 LEDER 20 PRAIN 1 10 LEDER 20 PRAIN 1 10 LEDER 20 LEDER 20 LEDER 20 LEDER 3 SOLFOIL WM SPEC 10 10 10 10 10 10 10 10 10 1	SODIUM BICARBONATE		0.8	30	pH 5.5 DRAIN WASH	
LEDERTAN RC 6 20 LEDERTAN TA 6 LEDERFILLER CK 3 90 DRAIN WATER 50 200 FILTAN XS 8 30 SOLFOIL HW 4 4 SOLFOIL WM SPEC 2 2 LEDEROL ES/F 4 60 FILTAN GUM 5 30	WATER	25	100			
LEDERTAN TA 6 LEDERFILLER CK 3 90 DRAIN WATER 50 200 FILTAN XS 8 30 SOLFOIL HW 4 4 SOLFOIL WM SPEC 2 2 LEDEROL ES/F 4 60 FILTAN GUM 5 30	SOLFOIL HW		1	10		
LEDERFILLER CK 3 90 DRAIN WATER 50 200 FILTAN XS 8 30 SOLFOIL HW 4 4 SOLFOIL WM SPEC 2 2 LEDEROL ES/F 4 60 FILTAN GUM 5 30	LEDERTAN RC		6	20		
WATER 50 200 FILTAN XS 8 30 SOLFOIL HW 4 SOLFOIL WM SPEC 2 LEDEROL ES/F 4 60 FILTAN GUM 5 30	LEDERTAN TA					
FILTAN XS 8 30 SOLFOIL HW 4 4 SOLFOIL WM SPEC 2 60 LEDEROL ES/F 4 60 FILTAN GUM 5 30	LEDERFILLER CK		3	90	DRAIN	
SOLFOIL HW 4 SOLFOIL WM SPEC 2 LEDEROL ES/F 4 60 FILTAN GUM 5 30		50	200			
SOLFOIL WM SPEC 2 LEDEROL ES/F 4 60 FILTAN GUM 5 30			8	30		
LEDEROL ES/F 4 60 FILTAN GUM 5 30						
FILTAN GUM 5 30						
	· ·					
FORMIC ACID 0.5 30 DRAIN						
	FORMIC ACID		0.5	30	DRAIN	
DYEING HORSE UP OVER NIGH	DYEING				HORSE UP OVER NIGHT	
SETTING OUT						
VACUUM DRY						





SEMI VEGETABLE LEATHER					
Products	°C	%	Rot. Min	Check	
WATER	40	250			
IDROFIL 800		0.8			
OXALIC ACID		0.6	40	DRAIN	
WATER	25	200			
NEUTRAL TS		3	20		
QUEBRACHO ATO		5			
LEDERTAN TA		4			
FILTAN BHJ		5			
EMULOIL BZ		1	30		
FILTAN PAN		6	30		
QUEBRACHO ATO		5	100	OVER NUCLEE	
LEDERTAN TA		4	180	OVER NIGHT	
				MORNING DRAIN	
WATER	35	200			
OXALIC ACID		0.5	20	DRAIN WASH	
WATER	50	200			
FILTAN XS		6	30		
EMULOIL BZ		2			
SOLFOIL E		2			
IDROFIL SOAP		0.5			
OIL HP		0.5	60	DRAIN WASH	
DYEING					
				HORSE UP OVER NIGHT	
				SETTING OUT	
				VACUUM DRY	



	UPHOI	STERY	LEATHER	
Products	°C	%	Rot. Min	Check
WATER	35	150		
FORMIC ACID		0.5		
IDROFIL 800		0.15	30'	PH 3.5 DRAIN
WATED	2.2	450		
WATER	30	150		
CHROME 33°Sch		4		
FILTAN MN		0.3	90′	
NEUTRAL N/AS		2	30'	
SODIUM BICARBONATE		1.5		
EMULOIL HK		2	180	OVER NIGHT
				AT MORNING PH6
				DRAIN WASH
WATER	40	50		
LEDERFILLER CK/K		3		
LEDERTAN TA		3	30'	
WATER	60	100	10'	
FILTAN XS		6	30	
EMULOIL HK		8		
LEDEROL ES/F		8		
EMULOIL KLF		2	90'	
FILTAN GUM		4	30'	
FORMIC ACID		0.5	30'	DRAIN WASH
				SETTING OUT
DYEING				WET TOGGLING

		ВОХ	CALF LEATHER	
Products	°C	%	Rot. Min	Check
WATER	40	200		
IDROFIL 800		0.3		
OXALIC ACID		0.5	30	DRAIN WASH
WATER	30	100		
CHROME 33°Sch		5	40	
FILTAN PAN		3	60	
+WATER	40	50		
SODIUM ACETATE		2		
LEDER RIV PO2		1	120	OVER NIGHT
				MORNING DRAIN WASH
WATER	30	50		
EMULOIL SINT CONC		1		
FILTAN PAN		6	30	
LEDERTAN TA		6		
LEDERFILLER CK		3	90	DRAIN
WATER	60	200		
FILTAN XS		6	30	
EMULOIL BZ		2		
SOLFOIL HR		1.5		
IDROFIL SOAP		0.5	60	
FORMIC ACID		0.5	30	DRAIN WASH
DYEING				HORSE UP OVER NIGHT SETTING OUT
				VACUUM DRY





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