



**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 es 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.

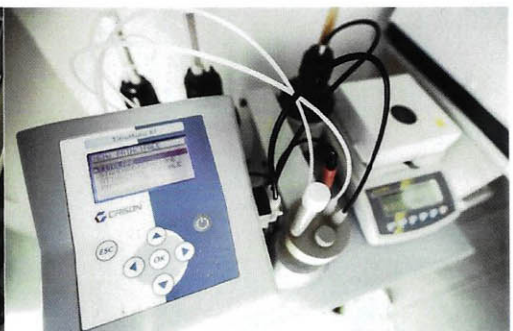
## FORMALDEHYDE-FREE LINE

- **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'	
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
<b>DYEING</b>				<b>HORSE UP OVER NIGHT SETTING OUT VACUUM DRY</b>



## NAPPA LEATHER GOODS

Products	°C	%	Rot. Min	CHECK OPERATIONS
WATER	40	200		
IDROFIL 800		0.3		
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		
SODIUM 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	
FORMIC ACID		0.5	30	DRAIN
<b>DYEING</b>				HORSE UP OVER NIGHT SETTING OUT VACUUM DRY



## SEMI VEGETABLE LEATHER

Products	°C	%	Rot. Min	CHECK OPERATIONS
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		
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
<b>DYEING</b>				HORSE UP OVER NIGHT SETTING OUT VACUUM DRY

## UPHOLSTERY LEATHER

Products	°C	%	Rot. Min	Check Operations
WATER	35°	150		
FORMIC ACID		0.5		
IDROFIL 800		0.15	30'	pH 3.5 DRAIN
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 Ph 6 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
<b>DYEING</b>				SETTING OUT WET TOGGING

## BOX CALF LEATHER

Products	°C	%	Rot. Min	CHECK OPERATIONS
WATER	40°	200		
IDROFIL 800		0.3		
OXALIC ACID		0.5	30	DRAIN WASH
WATER	30°	100		
CHROME 33°		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
<b>DYEING</b>				HORSE UP OVER NIGHT SETTING OUT VACUUM DRY

