

## UNITAN LEATHER TANNING AGENTS / Formulae

### 2. Sole Leather - Drum Tanning System

Full Crupon Size. Delimming And Pickled To pH 3,6/3,8.

#### PRETANNING

4 RPM	50%	Pickled bath	pH: 3,8/4,0 cross section light green BCG °be: 7
		<b>UNIQUE JR</b>	
		Dispersant	Naftalensulphonic - Run 120'
			Automatic over night 5'/ hr

#### TANNING

Add	1 %	Phenolic Syntan	Run 30 min
	15 %	Soluble Quebracho extract (1)	Run 120 min
	30 %	Water 25°C	
	15 %	Soluble Quebracho extract (1)	Run 90 min
	0,5 %	Sulphited oil	Run 30 min
	15 %	Semi soluble Quebracho extract (2)	
	1 %	Phenolic Syntan	Run 4 to 6 hs – then automatic until full penetration
			15/30 hs final temperature =3 8°C / 40° C
			Final density °be= 15 / 17 °bé (approx.)
	0.2%	Formic Acid	Run 120' pH = 3,8/3,6
			Drain
Wash	150%	Water 25°C	Run 5'
			Drain

**Pile 24/48 hs - samming – sabe if necessary – % over shaved weight. Strong sam in machine.**

#### BLASHING AND FATLIQUOR PROCESS

16/18 RPM		Run 15' only crupon size (no Water)	
	0.3%-0.8%	<b>UNICLAR</b>	Run 30 min
	1.0%	Magnesium sulphate	
	1.0/2.0%	Glucose	
	0.5%	Acid naphtalene syntan	
	2.0%	<b>UNIQUE XE</b>	
	1 %	Replacement phenolic	Run 90 min
	1 - 3%	Sole leather oil	Run 60 min
	0,5%	Acid phenolic syntan	Run 30 min

**Unload / Pile / mechanical operation for sole leather / hang dry**

(1) Soluble extracts: ATO / ATG / LIGHTAN / UNIQUE CHD

(2) Semi soluble extracts: ATS / ATD / CHA