



**Firma/company:** TANNING TECH '99 **Datum/date:** Oct.1999  
**Artikel/item:** Softy shoe upper **Rohware/raw material:** Java cowhide  
**Zustand/condition:** Wet- blue **kg:**  
**Farbe/colour:** Black **mm:** 1,4 - 1,6  
**Arbeitsgang/process:** Retanning, dyeing + fatliquoring **% auf/on:** shaved weight  
**Gezeichnet/marked:** **No. 18**

Arbeitsgang process	H <sub>2</sub> O %	°C	%	Produkt product	Zeit time	Flotte float	Bemerkung remark
wash	200	35	0,10	<b>NEOPALIN AP.</b>			
			0,10	formic acid	20	drain	pH= 3,6
retanning	150	35	1,00	<b>LICROL SB 104</b>			
	+		2,00	<b>EBOTAN DA 50</b>	20		
	+		3,00	<b>EBOTAN KL</b>	45		
			2,00	<b>EBOTAN NFL</b>	15		
	+		1,00	sodium bicarbonate	40	drain	pH= 5,2 - 5,4 BCG blue
wash	200	40			10	drain	
dyeing	50	40	0,50	ammonia			
			1,00	<b>EBROLIN 98</b>	10		
	+		3,00	<b>EBOCOR Black 141</b>	30		check penetration
	+		3,00	<b>EBOTAN RAN</b>	20		
	+		2,00	MIMOSA			
			3,00	<b>EBOTAN HG</b>	20		
fatliquoring	+	100	60	4,00 <b>LICROL 0598</b>			
				4,00 <b>LICROL FSN</b>			
				1,00 <b>LICROL L</b>	45		
fixing	+			2,00 formic acid	20	drain	pH= 3,8
top-dyeing	200	50	1,00	<b>EBOCOR Black 151 liq.</b>	10		
	+			1,00 formic acid	20		
fixing	+			1,00 <b>EBROFIX D</b>	20	drain	
wash	200	25			10	drain	

horse up over night, set out, vacuum dry, hang dry, condition,  
vibration staking + toggling