SUPER TAN SDI

Leather Auxiliary

Technical Information

Properties :

Classification	**:**	Synthetic replacement tanning agent
Analytical Data :		
Chemical Nature	**:**	Blend of phenolic & naphthalene condensation products
Appearance	**:**	Light brown coloured free flowing powder
pH of 10% Solution	**:**	3.5 ± 0.5
Concentration	**:**	95% min.
Acidity (As acetic acid)	**:**	5% max
Solubility	**:**	Completely soluble in water

Special Features :

SUPER TAN SDI is compatible with all vegetable and synthetic tanning materials and is not sensitive to salts.

SUPER TAN SDI has a wide range of applications in the retannages of all types of chrome leather & in vegetable tannages.

SUPER TAN SDI yield full, resilient & almost white leather.

When used in vegetable tannages, **SUPER TAN SDI** accelerates the rate of penetration & lightens the shade of resultant leather.

SUPER TAN SDI imparts good fibre& grain resilience to vegetable tanned leather & produces a high yield.

SUPER TAN SDI has good leveling effect on the dyeing and is particularly suitable for pale shades.

SUPER TAN SDI gives good fullness, softness & uniform dyeing with medium light fastness to the leather.

SUPER TAN SDI also exhibits buffering action & slight neutralizing effect.

Applications :

SUPER TAN SDI can be used as replacement tanning agent in all stages of tannage for the production of heavy, medium & light leather.

a) Shoe upper leather from cow sides.

Material	:	Chrome tanned sides.	
Shaving thickness	:	1.2 mm – 1.3 mm	
		(percentage based on shaved weight)	
Washing	:	400%	10 mins.
			Drain
Rechroming	:	100% water	
		5% Chrome Syntan	45 mins
		0.5% Sodium Formate	30 mins
Nutralisation	:	100% water	
		2% SUPER TAN SDI	
		1% Sodium Formate	30 mins.
			Drain & Wash
Retanning	:	100% water	
		5% Super tan SDI	
		3% Resin Syntan	30 mins
		2% Super Tan Sre	20 mins
		3% Vegetable extract	30 mins
		pH of float 4.5, Drain & rinse	
		Dyeing &fatliquoring usual.	

b) Vegetable tannage

SUPER TAN SDI can be used with equally good results in both conventional tanning system & in low-float tanning process. Inclusion of SUPER TAN SDI in vegetable tanning has following advantages:

It accelerates through tannage, improves grain properties, brightness the colour of the leather, levels out the dyeing & prevents sludge &mould formation.

In conventional system, optimum results are achieved by replacing 20-30% of the vegetable extract by SUPER TAN SDI.

SUPER TAN SDI has a medium acid reserve. When combining it with low acid vegetable tanning materials in liquor systems, it may be advisable to increase the acidity by adding 4-6 kgs of acetic acid or formic acid for every 100 Kgs of SUPER TAN SDI. This improves the liquor exhaustion, tanning material fixation &colour of the leather. Super TAN SDI makes grain smoother & more elastic and is easier to set out. The product is added in the main tannage. It is sufficient to replace 10-15% of the total amount of vegetable extract used.

c) In suede/nubuck leather production, recommendation dosages of SUPER TAN SDI are 5-8% based on shaved weight.

d) Correected grain leather requires 5-10% SUPER TAN SDI based on shaved weight.

e) For pastel coloured leathers & white leathers, recommended dosages of SUPER TAN SDI are 2-10% based on shaved weight.

Recommendations are based on current knowledge and experience but without engagement and warranty.