



LEATHER DYES	PRODUCT NAME	FASTNESS PROPERTIES										
		Light	Water			Perspiration			Washing			Migration into PVC
		L	W	C	L	W	C	L	W	C		
	Yellow A2R	3	4-5	3	3-4	4-5	3	3-4	2-3	4-5	4-5	4-5
	Yellow AGR	3	4-5	3-4	4	4-5	3-4	4	2-3	3-4	3-4	4
	Orange AR	4-5	5	4	4-5	4-5	4-5	4	5	5	5	5
	Red AGR	2	4-5	3	4	4	3	4	4-5	4	4	4
	Red ABM	2	4-5	4-5	4-5	5	3-4	3-4	3-4	4	4	4
	Blue ARNX	2	5	4	3-4	4-5	4	3	1-2	4-5	3-4	3-4
	Blue ABR	2	5	4	3-4	4-5	4	3	1-2	4-5	3-4	3-4
	Green AV	3	4-5	4	5	5	5	4-5	3	5	5	5
	Brown ABR	3	5	4	4-5	5	4	4	4	4-5	3-4	3
	Brown ABM	2	4-5	5	5	4-5	5	4-5	4	5	3-4	4
	Brown A2G	3-4	4-5	3	3	4	3	2	4	4	2	5
	Brown Base	3	4	4	4	4	3	2	4	4	2	5
	Brown CBL	4	4-5	4	4	4	3	2	4	4-5	2	5
	Brown ASW	3-4	4-5	4-5	4	4	3-4	2-3	4	4	2-3	4-5
	Natural Black	3	4	4	4-5	4	4	3	4	4	4	4-5
	Black Redder	3	4	4	4-5	4	4	3	4	4	4	4-5
	Black Greener	2	4-5	3-4	4	4-5	3	3	4-5	4-5	4	4-5
	Black AB	3	4	4	4-5	4	4	3	4	4	4	4-5
	Acid Black ASRL	3	4	4	4-5	4	4	3	4	4	4	4-5
	Jet Black ARSS	2	4-5	3-4	4	4-5	3	3	4-5	4-5	4	4-5

### SAFETY IN USE

Although no chemical is entirely free from hazard, these products will present a low risk to health provided that good standards of industrial hygiene are observed in their storage and use. All persons handling them should take precautions to avoid accidental ingestion, inhalation and skin and eye contact and should be aware of any limitations of use of specific products.

Safety Data Sheets on individual products are available from your local Alfa Colours & Tanning Products Sales office and should be consulted. The information given herein and otherwise supplied to users is based on our general experience and, where applicable, on the results of tests on samples of typical manufacture.

However, because of the many factors which are outside our knowledge and control which can affect the use of these products we cannot accept liability for any injury, loss or damage resulting from reliance upon such information.

All sales of these products shall be subject to Alfa Colours & Tanning Products Standard Conditions of Sale.

### NOTES ON THE DYEING AND FASTNESS PROPERTIES

Fastness properties were assessed on retanned side leather and the results are presented in the following order :

Change in shade of the leather - L  
 Staining of the wool - W  
 Staining of the cotton - C

Fastness was assessed using IUF methods and rated from 1 to 5 (6 for light fastness), 1 being the worst and 5 the best rating.

Solubility :  
 All our dyes are adequately soluble for most techniques of application. Differences do exist but solubilities are mostly above 50g/1at 60°C

Without Guarantee

### METHODS OF DYEING

#### RETANNED SIDE LEATHER

Percentage based on wet-blue shaved weight

Washing	300%	Water 35°C	
	0.5 %	Corlene EW	30 min
Drain			
Neutralization	200%	Water 35°C	
	1 %	Sodium Formate	10 min
	0.5%	Sodium Bicarbonate	40 min
		PH 4.4-4.6	
Drain			
Washing	300%	Water 40°C	5 min
Drain			
Retanning	100%	Water 40°C	
	2 %	Renektan RS	15 min
	2 %	Renektan FBN	30 min
	2 %	Synektan RA	
Dye *	3 %	Dye	30 min
Fatliquoring	4 %	Corlene FSU	30 min
	1.5 %	Formic Acid	30 min

Drain, Wash,  
 Set, Vacuum dry,  
 Hook dry, Stake, Toggle  
 \* 1% Dye for Leather Beige 2N

