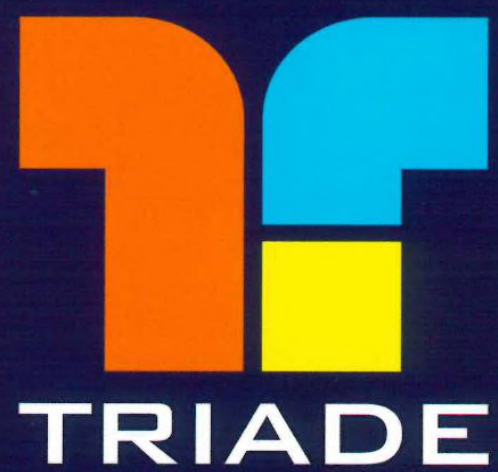




**Triamin and Direct
Dyestuffs on Cotton**

 TRIAD E	Triamin Dye concentration		Lightfastness		Water	untreated	aftertreated	Perspiration	Solubility	SDC Classification
	0,5%	2%	1/6	1/1		Washing				
Yellow 5G 167% *			4	5	3 3 3	1 2-3 4	1-2 3 4-5	3 2 3	15	A
Yellow 4GL 150%			4	5	4 3 4	3-4 3-4 4-5	4 3-4 5	3-4 4-5 5	20	A
Yellow RR 200% *			4-5	6	4 3-4 4-5	3-4 3-4 5	4 4 5	3-4 4-5 4-5	35	C
Yellow R 166%			6	7	3-4 2 4	2 3 4-5	4-5 3-4 5	4 3 4	50	A
Yellow RT 200% *			4-5	5-6	4 3-4 4-5	3-4 3-4 5	4 4 5	3-4 4-5 4-5	40	C
Yellow 4RL 200% *			4-5	6	3-4 2 4	3 3 5	4 3-4 5	4 2 4	60	B
Orange 7GL conc. *			5	6-7	3-4 2-3 4	3-4 3 4-5	4 3-4 5	4 3-4 4-5	30	B
Orange 2GLL 180% *			5-6	6-7	4 2 3-4	3-4 2 5	4 3-4 5	3-4 2-3 5	70	B
Orange 3R 150% *			4-5	5-6	4 2-3 4	4 3 5	4 3-4 5	4 3-4 5	40	B
Scarlet GG 200% *			5	6	4 3 4-5	3-4 3-4 4-5	4 3-4 5	4-5 3-4 5	20	B

* = Suitable for H.T. Dyeing

* = Suitable for H.T. Dyeing

 TRIAD	Triamin Dye concentration		Lightfastness		Water	untreated	aftertreated	Perspiration	Solubility	SDC Classification
	0,5%	2%	1/6	1/1		Washing				
Red 4BL 200%			5	6	3-4 2-3 4	3 2-3 4-5	3 4 5	4 2-3 4-5	15	B
Red F3B 200%			3-4	5	3-4 2 4	3 3 4-5	4 3-4 4-5	3 2-3 4-5	80	B
Red 8BL conc. *			4	4-5	3 1-2 3-4	2-3 1-2 5	3 2-3 5	3 2 3-4	70	A
Bordeaux BLL 140%			5-6	6-7	3-4 2 4-5	3 3 4-5	4-5 3-4 5	4 2 4-5	15	B
Pink 2B			4	5	3 2 4	3 3 5	4 4 5	3 3 5	150	A
Red Violet RL			5	6	3 1-2 2-3	3-4 1-2 2	4 4-5 4-5	3 1-2 2	80	A
Violet BL 200%			4-5	5-6	3 2 2-3	3 2-3 4	3-4 3-4 4-5	2-3 1-2 4-5	16	C
Violet 5BLL 250%			4	5-6	3-4 2 3	3 2-3 4	3-4 3-4 4-5	2-3 2 4	15	B
Violet 2B 200%			3-4	4-5	2 1-2 2	2 1-2 2-3	3 2-3 3	3 1-2 2	40	C
Blue FGL *			5	6	4 1-2 3	3 2-3 5	4-5 3-4 5	3-4 1-2 3-4	100	B

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	Triamin Dye concentration		Lightfastness		Water	untreated	aftertreated	Perspiration	Solubility	SDC Classification
	0,5%	2%	1/6	1/1		Washing				
Brilliant Blue 3GLST			4-5	5-6	3 2-3 4	3 3-4 5	3 5 5	4 3 4	70	B
Sky Blue BL 200% *			5-6	6-7	3 1-2 3	2 2-3 4-5	3-4 3 5	3-4 1 3-4	30	B
Blue 4GL 300% *			4	5	4 2-3 3-4	3-4 2-3 4-5	4 3-4 5	4 2 4-5	30	B
Blue FBLGN *			4-5	6	4 3 4-5	4 3-4 5	5 4-5 5	4 4 5	80	C
Blue BRR 200% *			4	5-6	3-4 2 3	2-3 2-3 4-5	4 3 5	3-4 2 4-5	20	B
Blue 3RL 300% *			4-5	5-6	3 2 4	3 2-3 4	3 3 4-5	4 1-2 4-5	20	A
Blue 2RLL 200%			4-5	6	4 3 4	4 3 5	4 4 5	4 3 4-5	15	B
Turquoise Blue GL *			4-5	6	2-3 2 2-3	1-2 4 5	3-4 4-5 5	2-3 1-2 4	100	A
Green BL *			4	4-5	4-5 2-3 4	4 3-4 4-5	4-5 4 4-5	4-5 2 4-5	20	B
Green 5GL 150% *			5-6	6-7	4 3-4 3-4	3-4 3- 5	4-5 4- 5	4 3 4	20	B

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* = Suitable for H.T. Dyeing

	Triamin Dye concentration		Lightfastness		Water	untreated	aftertreated	Perspiration	Solubility	SDC Classification
	0,5%	2%	1/6	1/1		Washing				
Khaki GL *			4-5	5-6	4 2-3 4	3 3 4-5	4 4 5	3-4 1-2 4	40	A
Brown 8RLL			6	7	4 1-2 3	3 2 4-5	4 3 5	2 2 3	30	B
Brown RL conc. *			4-5	6	4 3 3	3-4 3 5	4 3-4 5	4 3 4	50	B
Brown BL *			4-5	5-6	4 3-4 4-5	3-4 2-3 5	4 4 5	4 3 4-5	20	B
Brown 2GL *			4-5	5-6	4 2 4	4 2 5	4-5 3 5	4 2 4	40	B
Brown SBR 150%			3	4	4 2-3 4	4 2-3 4-5	4 3-4 4-5	4 2-3 4	15	B
Grey 4GL conc.			4-5	6	3-4 3 4	4 3-4 4-5	4-5 5 5	4 3-4 4	30	B
Grey CGLL 200% *			4-5	6	3-4 3 4	4 3-4 4-5	4-5 5 5	4 3-4 4	30	B
Grey RLN 200% *			3	4-5	3 2-3 3-4	3 3 4-5	4 3 5	3-4 1-2 4	40	B
Black L *			3	4	3-4 1 1	2 1 4-5	2-3 1-2 4-5	3-4 1 1	35	A
* = Suitable for H.T. Dyeing										

* = Suitable for H.T. Dyeing

	Direct Dye concentration		Lightfastness		Water	untreated	aftertreated	Perspiration	Solubility	SDC Classification
						Washing				
	0,5%	2%	1/6	1/1						
Yellow 7G 500% *			2-3	3-4	4 2 3-4	3-4 3 4	4-5 4 5	4 2-3 3-4	30	A
Chrysophenine G h.c. *			4-5	5	2-3 1 3	2 1 4-5	2-3 2 5	3 1 2-3	20	A
Fast Orange S 200% *			3	3-4	3 1-2 4	3 1-2 4-5	4 2-3 5	4 1-2 3-4	10	B
Brilliant Pink B conc.			2-3	3	3-4 1-2 3-4	1-2 2 4	3-4 3-4 5	4 2 4	100	A
Scarlet 4BS conc.			3	3-4	3-4 2 4	3-4 2 5	4 2-3 5	4 2-3 4-5	20	C
Red 12B			2	2	3 2 3	2-3 2 5	3-4 3 5	3 3 3-4	20	A
Navy Blue Black BHC 250%			4	5	3-4 3 3-4	3 3 4-5	4 4 5	4 3 4-5	20	B
Brown MNB			3-4	5	4 1 4-5	3-4 1-2 5	4 2 5	4 1-2 4	20	B
* = Suitable for H.T. Dyeing										

* = Suitable for H.T. Dyeing

	Direct Dye concentration		Lightfastness		Water	untreated	aftertreated	Perspiration	Solubility	SDC Classification
	2%	4%	1/6	1/1		Washing				
Black ABS h.c.			-	4	4 3 5	4 4 5	5 5 5	4 4-5 4-5	50	B
Black OB			-	6-7	4-5 1 4	4 1 5	4-5 2 5	4-5 1 4-5	15	B
Black DNB			-	5	4-5 1 4	4-5 1-2 5	4-5 2 5	4-5 1-2 3	50	C
Black G			-	4	5 3 2-3	4-5 2 5	4-5 3 5	4-5 3 3	20	B
* = Suitable for H.T. Dyeing										

Dyeing Method: Exhaust dyeing

Scouring: as usual

Dyeing: Set the bath at 40°C with
0-2% Soda Ash
run 10 minutes

Add the well dissolved
dyestuff

Raise the temperature to
90-95°C

Add in several parts 5-20 g/l
Glauber's salt calc. or common salt

Continue dyeing for 45-60 minutes at
90-95°C and cool down the bath
at 80°C to obtain a good
exhaustion of the dyebath.

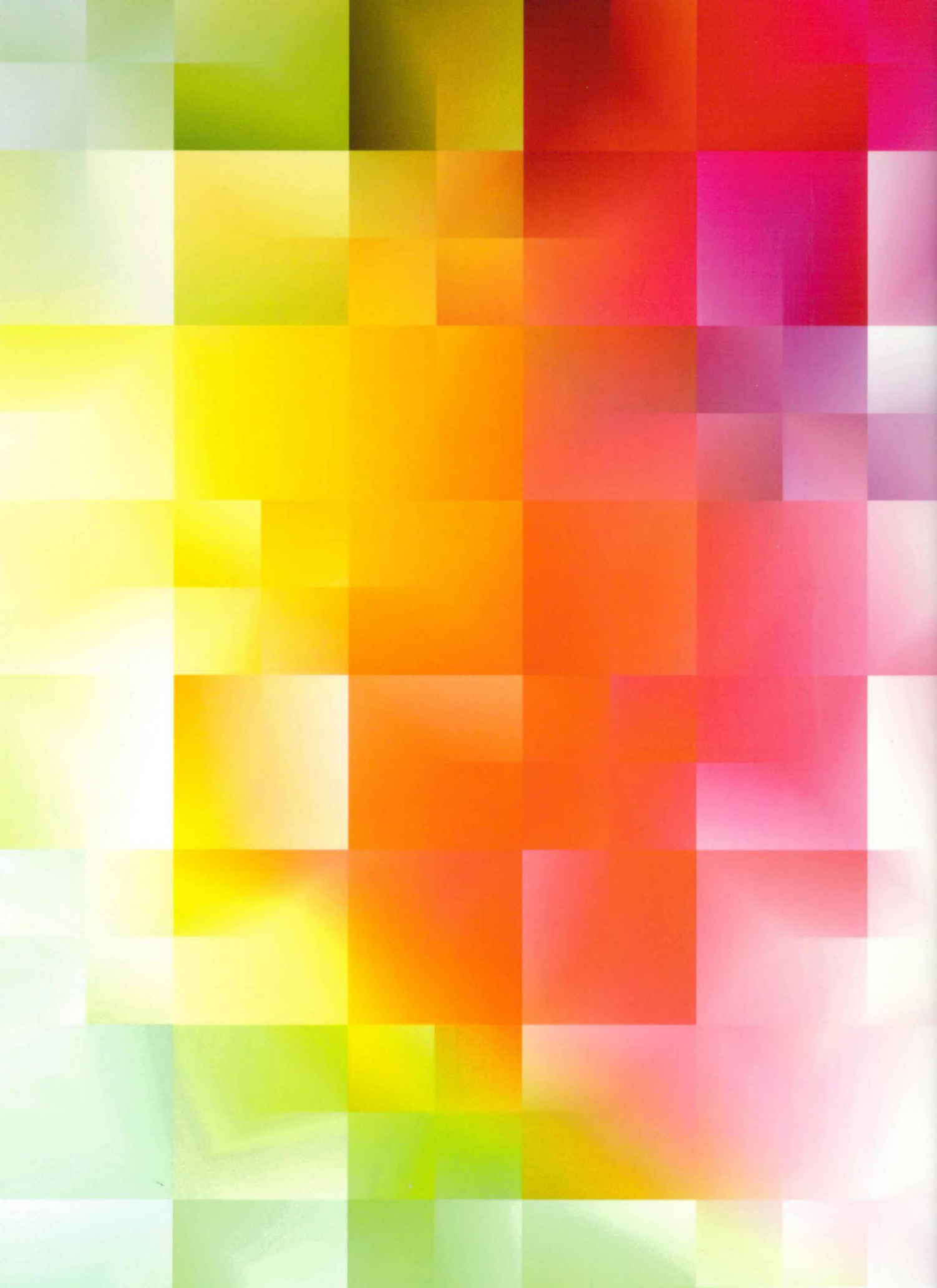
Rinse cold

Aftertreatment
(to improve
wetfastnesses): 0,5 - 2% Fixing Agent
20-40°C ----- 15-30 minutes

Rinse cold

Fastness properties:

Light fastness:	1/6 and 1/1 Standard depth ISO 105 – B02 Xenontest
Water:	4 hours - 37°C ISO 105 – E01
Washing:	30 minutes - 40°C ISO 105 – C01
Perspiration:	pH = 5 ISO 105 – E04
Solubility:	in grs/l at 90°C
SDC classification:	A = Self-levelling dyestuff B = Salt controllable dyestuff C = Temperature controllable dyestuff
HT dyeing:	* = Suitable for high temperature dyeing in a neutral/weak acid dyebath for at least 30 minutes at 120°C



Chemische Fabriek Triade

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