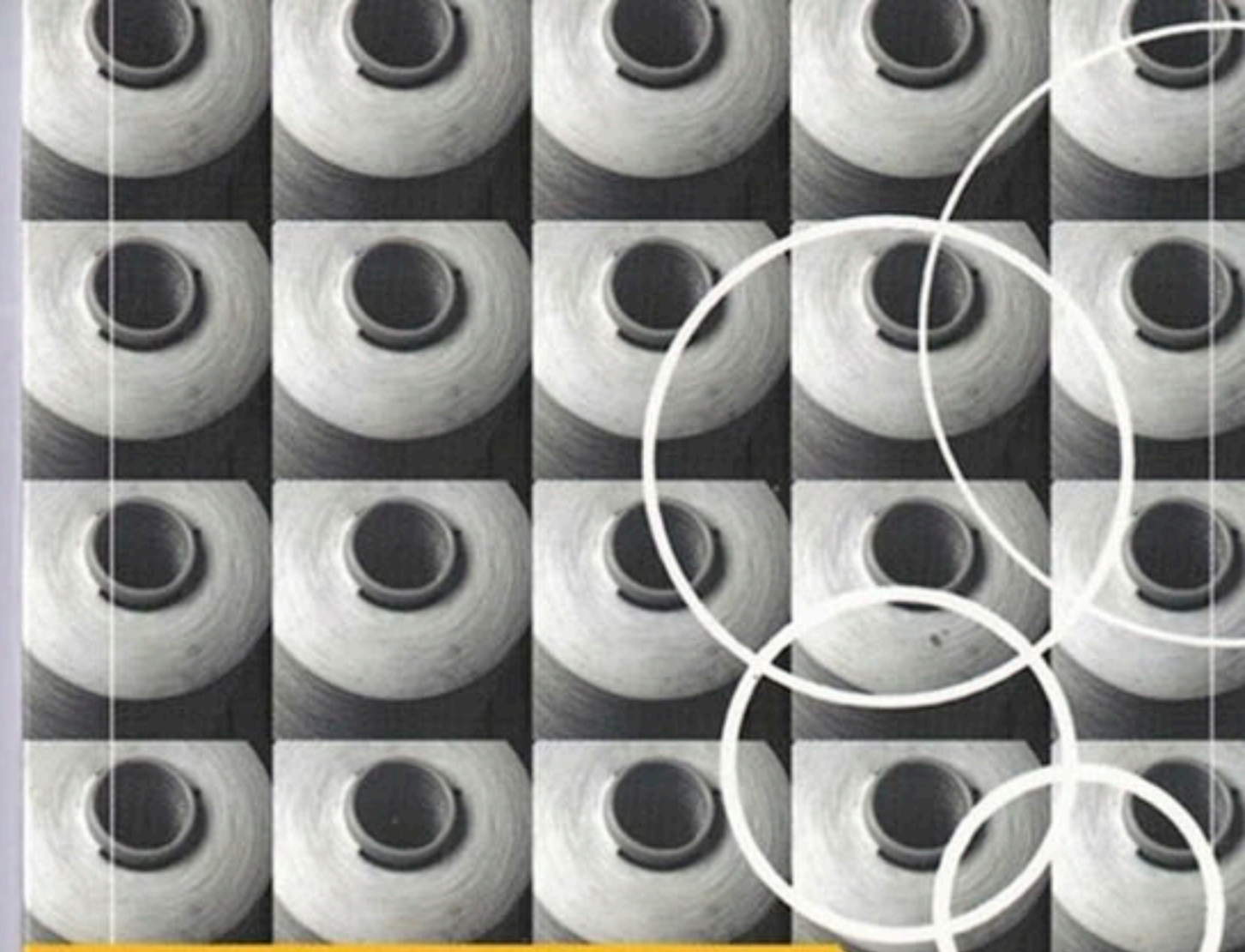
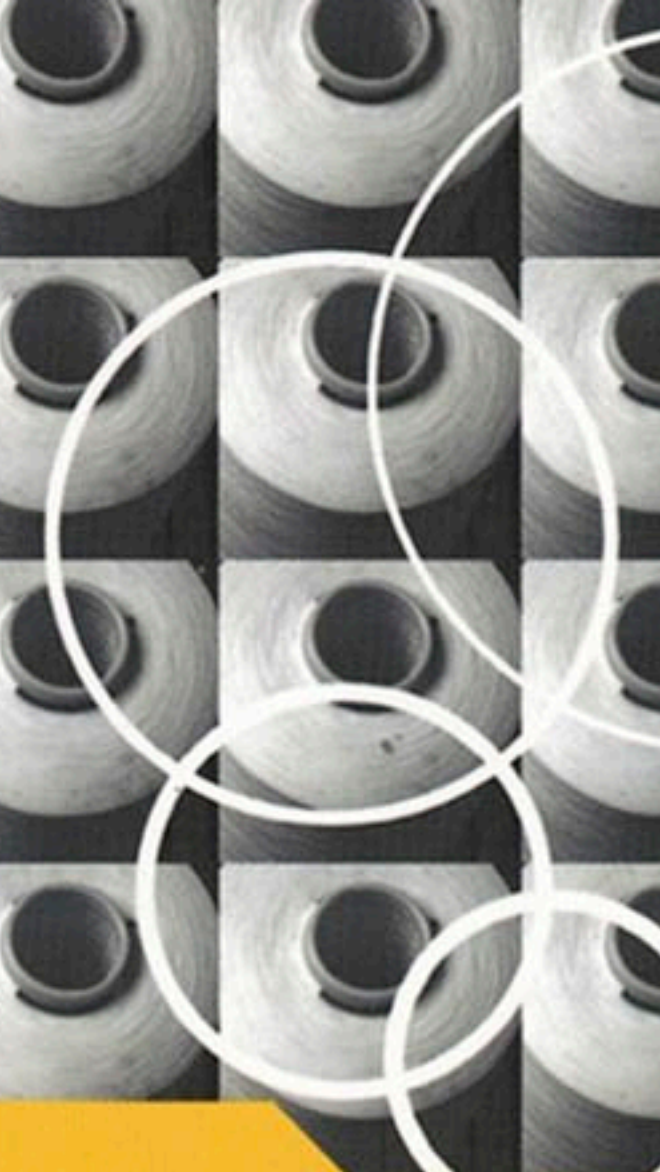


Important:

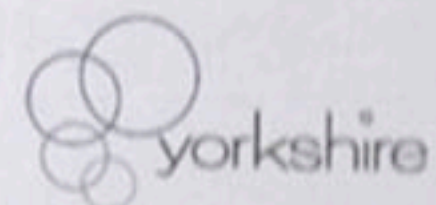
The information contained in this document is based upon the present state of our knowledge and upon the results of detailed evaluation work, presented objectively. It is made without liability as to any results obtained by the application of the products described therein.

It is strongly recommended that, before proceeding to industrial scale work, trials should be carried out to assess product performance under the specific conditions that will be encountered.



Intralite

direct dyes for cellulosic fibres



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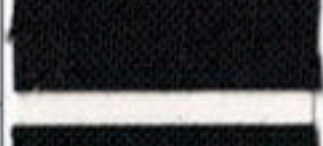
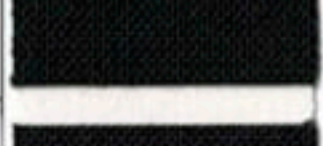
E-Mail vertrieb@yorkshire-farben.eu



description

- Versatile applications
- Simple to use
- Low water and chemical consumption
- Standardised for optimum right-first-time dyeing performance
- Suitable for fabrics which are required to meet Oeko-Tex 100
- Selections for
 - High wet fastness
 - High light fastness
 - High temperature stability
 - Coverage of dead cotton
 - Coverage of viscose barré
 - Dischargeability
 - Simultaneous bleach / dye
 - Easy care finishing
 - Pad applications

Intralite	SDC Class	
Fast Yellow 15 withdrawn	B	
Fast Yellow 5G 200 1.7%	A	
Fast Yellow RL 2.2%	B	
Fast Yellow EFC 200 1.4%	B	
Fast Orange 2GL 150 1.4%	B	
Fast Scarlet BNL 200 1.5%	B	
Fast Red F3B 230 2.0%	B	
Fast Red 5B 200 1.1%	A	
Fast Red 6B 200 0.7%	B	
Fast Red 2-3 withdrawn	B	
Fast Bordeaux BL 150 1.2%	B	
Fast Rubine WLKS N200	C	
Fast Violet 5B 1.4%	B	

Intralite	SDC Class	
Fast Blue RLE 200 1.6%	B	
Fast Blue B2R 300	B	
Fast Blue R 314 0.8%	B	
Blue GL 1.0%	A	
Fast Brilliant Blue 3GLST 3.0%	B	
Fast Turquoise GL 250 3.0%	B	
Fast Green SBL 167 1.2%	B	
Fast Grey 4GL 200 1.0%	B	
Fast Grey GLL 200 1.1%	B	
Fast Grey 1-2 withdrawn	B	
Black VSF 800	C	
Black OB 270 2.7%	B	
Viscose Black GTN 240	C	
Black 3-6 withdrawn	B	

						Suggested Selections									
Intralite		Higher wet fastness	Higher light fastness (furnishing fabrics)	Metal free	Easy-care finish Shade change	130°C dyeing (pH5.5)	Simultaneous bleach	Yorkshire ABD process	Dead cotton coverage	Barré viscose coverage	Incompletely desulphurised viscose	Pad-jig	Pad-roll	Cold pad batch	Cott / PA blend
Yellow 3G		•		•		•	•	•	•			•	•	•	
Fast Yellow 5G	200%		o	•			•		•	•	•	•	•	•	
Fast Yellow RL		•	•	•		•	•					•	•	•	
Fast Yellow EFC	200%	T	T		•	T	T		T	T	T	•	•	•	•
Fast Orange 2GL	150%		•	•	•	•	•	•	•			•	•	•	o
Fast Scarlet BNL	200%	T(P)	o	•	•	T	T	•	•			•	•	P-M	o
Fast Red F3B	230%	•(*)		•			•				•	•	•		o
Fast Red 5B	200%			•		o				•		•	•	•	
Fast Red 6B	200%	•(*)	o	•	•					T		•	•	•	o
Fast Red 3R		•	•						•			•	•	P-M	
Fast Bordeaux BL	150%	•	T(P)		•							•	•	P-M	•
Fast Rubine WLKSN	200%	T(M-H)	T(M-H)		o	o			T		T	•	•	•	•
Fast Violet 5B	250%	•			•							•	•	P-M	•
Fast Blue RLE	200%		o		•	T				•		•	•	•	•
Fast Blue B2R N300	300%	T	T(M-H)		•	o				T		•	•	P-M	•
Fast Blue R	314%	•				•	T	•				•	•		
Blue GL		•			o	•	•	•	•			•	•	P-M	
Fast Brilliant Blue 3GLST			o		o							•	•	•	•
Fast Turquoise Blue GL	250%		•		•	•	•			•		•	•	•	
Fast Green SBL	167%			•	o	•	o		•			•	•		o
Fast Grey 4GL	200%	•	o		o		o		T		T	•	•	•	•
Fast Grey GLL	200%	•	T(P)			o					•	o	•	•	•
Grey IVL						•					•	•	•	•	•
Black VSF 800	200%	•(*)		•	o	o	o	o				•	•	o	o
Diazo Black OB	270%		o	•		o						•	•	o	•
Viscose Black GTN 240		o	•		•					•		•	o		
Black RA			o	•	o				•	•					o

Key to suggested selections

- = Recommended
- o = Border line suitability
- T = Recommended trichromatic dye
- P = Pale shades
- P-M = Pale to medium shades
- M-H = Medium to heavy shades
- * = These dyes require aftertreatment with **Intrafix CR 200** for good wet fastness

Easy Care Finish (Cotton)

50g/l **Serirez ULF conc.**

Magnesium chloride catalyst

70% Pick up

Dry at 100°C – Cure at 155°C for 3 mins

- = Shade change 5 or 4-5
- o = Shade change 4

Pad Applications

Provided the normal precautions are taken against substantive tailing, the dyes suggested are generally suitable. However because they are standardised for exhaust dyeing, the user should check shade and strength before proceeding to bulk production.

Dischargeability

- 5 = White discharge
- 4 = Nearly white discharge
- 3 = Suitable for coloured discharge but not for white

Suggested Selections

The dyer is recommended to check first under his own conditions that the selected dyes meet his requirements.

Intralite fastness on
mercerised cotton

		Yellow 3G	Fast Yellow 5G 200	Fast Yellow RL	Fast Yellow EFC 200%	Fast Orange 2GL 150%	Fast Scarlet BNL 200%	Fast Red F3B 230%	Fast Red 5B 200%	Fast Red 6B 200%	Fast Red 3BL	Fast Bordeaux BL 150%	Fast Rubine WLKS 200%	Fast Violet 5B 250%
Minimum Solubility 90°C g/l		50	80	70	75	50	100	50	30	25	60	30	30	10
Light Fastness Xenotest	1/6 Depth	5	4-5	5-6	5-6	5-6	3-4	3	3-4	4	7	5-6	5-6	4
	1/3 Depth	5	4-5	6	6-7	6	4	3-4	4	5	7	5-6	6	4
	1/1 Depth	5-6	4-5	6-7	7	6-7	4-5	3-4	4	5-6	7	6-7	6-7	5
	2/1 Depth	5	4-5	7	7	6-7	5	4-5	5	5-6	7	6-7	6-7	6
	1/1 with Intrafix CR 200	5	4	6	6	5	3	3	2-3	5-6	6	6-7	6	5
Washing @ 40°C	Untreated CS	4-5	2	4-5	3-4	3	3-4	3	1-2	3	4	2	3	2
	Co	2-3	2	3	4	3	3	3	2	3	2-3	3	3	3
	Treated CS	4-5	3-4	4-5	4	4	4-5	4	2-3	4	4-5	4	3-4	3
	Intrafix CR 200 Co	3	2-3	3-4	4-5	3-4	3-4	3-4	2	3-4	2-3	3-4	4	3
Water Severe	Untreated CS	4-5	2-3	4-5	3-4	3	4	3-4	2-3	4	4-5	3	3	3
	Co	2	2-3	2-3	3	2	3	2-3	1-2	3	1-2	2-3	2-3	2
	Treated CS	4-5	4	4-5	4	4-5	4-5	4	3-4	4-5	4-5	3-4	4-5	4
	Intrafix CR 200 Co	3-4	3-4	4-5	4-5	4-5	4-5	4	2-3	4	3	4	4-5	4
Alkaline Perspiration	Untreated CS	4-5	3	4-5	4	4	4	4	2-3	3-4	4-5	3-4	3-4B	3B
	Co	2-3	2-3	2-3	4	2-3	3-4	2-3	1-2	2-3	2	2-3	3-4	2
	Treated CS	4-5	3-4	4-5	4-5	4-5	4-5	4	3	4	4-5	3-4	4-5	4
	Intrafix CR 200 Co	3	3-4	4	4-5	4-5	4-5	4	2-3	3-4	4	3-4	4-5	4
Acid Perspiration	Untreated CS	4-5	3	4-5	4-5	4	4	4	2-3	3-4	4-5	3-4	3-4B	3B
	Co	2-3	2-3	2-3	4	2-3	3-4	2-3	1-2	2-3	2-3	2-3	3-4	2
	Treated CS	4-5	3-4	4-5	4-5	4-5	4-5	4	3	4	4-5	3-4	4	4
	Intrafix CR 200 Co	3	3-4	4	4-5	4-5	4-5	4	2-3	3-4	3-4	3-4	4	4
Sea Water	Untreated CS	4-5	3	4-5	4-5	4-5	4	3-4	3	3	4-5	3-4	4	2
	Co	3-4	2	3	4	3	4	2-3	3	4	3	4	4	4
	Treated CS	4-5	4	4-5	4-5	4-5	4-5	4	4	4	4-5	4-5	4-5	4
	Intrafix CR 200 Co	4	3	4	4-5	4	4-5	4	3	4	3-4	4	4-5	4
Chlorinated Water 20mg/l		4-5	1	4-5	4	4-5	2	3-4	1	1	4	1-2	1-2	1
Rubbing	Dry	4-5	3-4	5	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4	4
	Wet	3	3-4	4-5	4	3-4	3	3-4	3	3	3	3-4	4	3
Artificial Light		R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	R
Shade Change with Intrafix CR 200		B	B	R	=	B	=	R	Y	B	B	=	=	R
Dischargeability	Neutral	5	5	5	1	5	3-4	4	4	5	3-4	4	3-4	4
	Alkaline	4	4-5	3	1	3-4	3-4	4	4-5	4-5	3-4	3-4	3-4	4
Sensitivity	Cu ⁺⁺	4	4	4	4	3-4	3	1	4	4	4-5	5	5	4
	FE ⁺⁺⁺	3	4	4-5	3-4	4	4-5	3-4	5	4	4-5	4-5	4	4
Suitability for Hard Water (30°F)				✓	✓	✓	✓	✓	✓				✓	✓

Fast Blue RLE 200%	Fast Blue B2R 300%	Fast Blue R 314%	Blue GL	Fast Brilliant Blue 3GLST	Fast Turquoise Blue GL 250%	Fast Green SBL 167%	Fast Grey 4GL 200%	Fast Grey GLL 200%	Grey LVL	Black VSF 1000%	Diazo Black OB 270%	Viscose Black GTN 150%	Black RA 300%	Test Methods
15	30	30	20	70	35	40	30	40	40	30	25	40	40	
4-5	5	4	3-4	4-5	5-6	3-4	4-5	5	4	-	-	-	-	BS EN ISO 105-B02
5	5-6	4-5	4	5	6	4-5	5	5-6	4-5	-	-	-	-	
5-6	6-7	6	6	5-6	6-7	5-6	6	7	5-6	5	4	5-6	4-5	
6	6-7	6	6-7	5-6	6-7	5-6	6-7	7	6	-	-	-	-	
5-6	6-7	5	3-4	5	6-7	4-5	4	6	5	3-4	4	4	4	
2-3	4	3	4-5	3	2	3	4	3-4	3	4	4	3-4	4	BS EN ISO 105-C01
3	2-3	3	2	3-4	4	3-4	3-4	2-3	3-4	3	1-2	3	3-4	
4	3-4	4-5	4-5	3	3	4	4-5	4	3-4	4-5	4-5	4	4-5	
3-4	3-4	3-4	2-3	4-5	4-5	4	4-5	4	4	3-4	2-3	3-4	4	
2-3	4	3-4	4-5	3	2	3-4B	3-4	3-4	3	4	3-4	4	4	BS EN ISO 105-E01
2	2	2-3	1-2	2-3	3	3-4	3	2	2-3	3-4	1-2	3-4	3-4	
4-5	4-5	4-5	4-5	4-5	3Y	4	4-5	4	4	4-5	4-5	4-5	4-5	
4-5	3-4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5	
3-4	4	4	4-5	4	3	3-4	4	3-4	3	4	3B	4	4	BS EN ISO 105-E04
3	3	3	3	3	2-3	3-4	3-4	2-3	2-3	3-4	2	4	4	
4	4-5	4-5	4-5	4-5	3-4	4-5	4-5	4	3-4	4-5	3-4B	4-5	4-5	
4-5	4-5	4-5	4	4-5	4-5	4-5	4-5	4	4-5	4-5	3-4	4-5	4-5	
3-4	4-5	4	4-5	4	3	3-4	4	3-4	3	4	3B	4	4	BS EN ISO 105-E04
3	3	3	2-3	3	2-3	3-4	3-4	2-3	2-3	4	3	4	4-5	
4-5	5	4-5	4-5	4-5	4	4-5	4-5	4	3-4R	4-5	3-4B	4-5	4-5	
4-5	4	4-5	4	4-5	4-5	4-5	4-5	4-5	4	4-5	4	4	5	
3-4	4	4	4-5	4	3-4	3	4-5	4	3-4	4	3-4	4	4	BS EN ISO 105-E02
3-4	4	4-5	3-4	3-4	3	4	4	3-4	3-4	4	2	4	4-5	
4-5	4-5	4-5	4-5	4-5	4	4	4-5	4	4	4-5	4-5	4-5	4-5	
4-5	4-5	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	5	
2-3	1-2	1-2	4	1	2-3	1	3-4	3	2	2	4-5	1	1	BS EN ISO 105-E03
4-5	4-5	4	4-5	4-5	4-5	4-5	4-5	3-4	4	4-5	5	4	4-5	BS EN ISO 105-X12
4	3	3-4	2-3	4	3-4	4	4	3	4	3	3-4	3	3	
R	R	DR	G	G	Y	Y	D	G	D	DY	G	DY	Y	Artificial Light
=	=	=	=	=	Y	G	G	G	G	R	=	R	B	Shade Change
4	4	5	5	4	4	3-4	4	4	4	5	4-5	4	4-5	Dischargeability
4	4	4-5	4-5	4	3-4	3-4	3-4	4	4	4-5	4-5	4	4	
3-4	4	4-5	3-4	5	4	4	4-5	4-5	4	4	4-5	4-5	1	BS EN ISO 105-Z02
4	4-5	4-5	4	5	4-5	3	4	4-5	4	4-5	4-5	4-5	4	
	✓	✓			✓	✓	✓	✓		✓	✓	✓		Hard Water