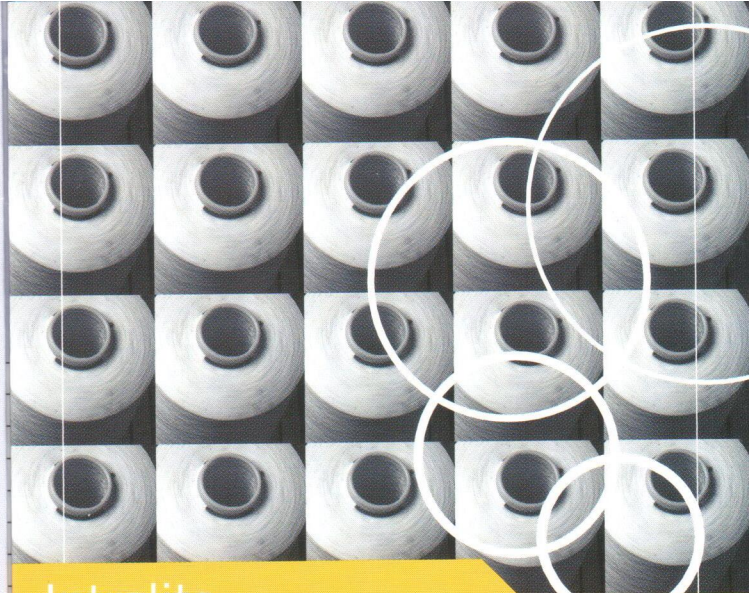


Important:

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



yorkshire

Yorkshire Farben GmbH

Mevissenstraße 72

D-47803 Krefeld

Tel. 49 (0) 2151 87 69 0

Fax: 49 (0) 2151 87 69 50

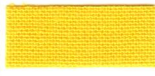
E-Mail yf-since-1959@yorkshire-farben.eu

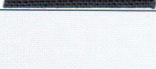


yorkshire

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	
withdrawn	B	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	
withdrawn	B	
Fast Bordeaux BL 150 1.2%	B	
Fast Rubine WLKSN 200 1,5%	C	
Fast Violet 5B 1.4%	B	

Intralite	SDC Class	
Fast Blue RLE 200 1.6%	B	
withdrawn	B	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	
withdrawn	B	
Fast Grey GLL 200 1.1%	B	
withdrawn	B	
Black VSF 1000 300 1.4%	C	
Black OB 270 2.7%	B	
withdrawn	C	
withdrawn	B	

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

Suggested Selections

withdrawn

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%

withdrawn

Fast Bordeaux BL

150%

Fast Rubine WLKSN

200%

Fast Violet 5B

250%

Fast Blue RLE

200%

withdrawn

Fast Blue R

314%

Blue GL

Fast Brilliant Blue 3GLST

Fast Turquoise Blue GL

250%

Fast Green SBL

167%

withdrawn

Fast Grey GLL

200%

withdrawn

Black VSF

800%

Diazo Black OB

270%

withdrawn

withdrawn

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
•		•		•	•	•	•			•	•	•	
	o	•			•		•	•	•	•	•	•	
•	•	•		•	•					•	•	•	
T	T		•	T	T		T	T	T	•	•	•	•
	•	•	•	•	•	•	•			•	•	•	o
T(P)	o	•	•	T	T	•	•			•	•	P-M	o
•(*)		•			•			•		•	•		o
		•		o				•		•	•	•	
•(*)	o	•	•					T		•	•	•	o
•	•						•			•	•	P-M	
•	T(P)		•							•	•	P-M	•
T(M-H)	T(M-H)		o	o			T		T	•	•	•	•
•			•							•	•	P-M	•
	o		•	T				•		•	•	•	•
T	T(M-H)		•	o				T		•	•	P-M	•
•				•*	T	•				•	•		
•			o	•	•	•	•			•	•	P-M	
	o		o							•	•	•	•
	•		•	•	•			•		•	•	•	
		•	o	•	o		•			•	•		o
•	o		o		o		T		T	•	•	•	•
•	T(P)			o					•	o	•	•	•
•				•					•	•	•	•	•
•(*)		•	o	o	o	o				•	•	o	o
	o	•		o						•	•	o	•
o	•		•					•		•	o		
o	o	•	o				•	•					o

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	15
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	4-5
	1/1 Depth	5-6	4-5	6-7	7	6-7	4-5	3-4	4	5-6	7	6-7	6-7	5-6
	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	5-6
Washing @ 40°C	Untreated CS	4-5	2	4-5	3-4	3	3-4	3	1-2	3	4	2	3	2-3
	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	3-4
	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	3-4
Water Severe	Untreated CS	4-5	2-3	4-5	3-4	3	4	3-4	2-3	4	4-5	3	3	3-4
	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	2-3
	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	2-3
	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	2-3
	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)				✓	✓	✓	✓	✓	✓				✓	✓

Intralite fastness on mercerised cotton		Yellow 3G	Fast Yellow 5G 200	Fast Yellow RL	Black VSF 1000%	Diazo Black OB 270%	Viscose Black GTN 150%	Black RA 300%	Test Methods
Minimum Solubility 90°C g/l		50	80	70	30	25	40	40	
Light Fastness Xenotest	1/6 Depth	5	4-5	5-6	-	-	-	-	BS EN ISO 105-B02
	1/3 Depth	5	4-5	6	-	-	-	-	
	1/1 Depth	5-6	4-5	6-7	5	4	5-6	4-5	
	2/1 Depth	5	4-5	7	-	-	-	-	
	1/1 with Intrafix CR 200	5	4	6	3-4	4	4	4	
Washing @ 40°C	Untreated CS	4-5	2	4-5	4	4	3-4	4	BS EN ISO 105-C01
	Co	2-3	2	3	3	1-2	3	3-4	
	Treated CS	4-5	3-4	4-5	4-5	4-5	4	4-5	
	Intrafix CR 200 Co	3	2-3	3-4	3-4	2-3	3-4	4	
Water Severe	Untreated CS	4-5	2-3	4-5	4	3-4	4	4	BS EN ISO 105-E01
	Co	2	2-3	2-3	3-4	1-2	3-4	3-4	
	Treated CS	4-5	4	4-5	4-5	4-5	4-5	4-5	
	Intrafix CR 200 Co	3-4	3-4	4-5	4-5	4-5	4	4-5	
Alkaline Perspiration	Untreated CS	4-5	3	4-5	4	3B	4	4	BS EN ISO 105-E04
	Co	2-3	2-3	2-3	3-4	2	4	4	
	Treated CS	4-5	3-4	4-5	4-5	3-4B	4-5	4-5	
	Intrafix CR 200 Co	3	3-4	4	4-5	3-4	4-5	4-5	
Acid Perspiration	Untreated CS	4-5	3	4-5	4	3B	4	4	BS EN ISO 105-E04
	Co	2-3	2-3	2-3	4	3	4	4-5	
	Treated CS	4-5	3-4	4-5	4-5	3-4B	4-5	4-5	
	Intrafix CR 200 Co	3	3-4	4	4-5	4	4	5	
Sea Water	Untreated CS	4-5	3	4-5	4	3-4	4	4	BS EN ISO 105-E02
	Co	3-4	2	3	4	2	4	4-5	
	Treated CS	4-5	4	4-5	4-5	4-5	4-5	4-5	
	Intrafix CR 200 Co	4	3	4	4-5	4-5	4-5	5	
Chlorinated Water 20mg/l		4-5	1	4-5	2	4-5	1	1	BS EN ISO 105-E03
Rubbing	Dry	4-5	3-4	5	4-5	5	4	4-5	BS EN ISO 105-X12
	Wet	3	3-4	4-5	3	3-4	3	3	
Artificial Light		R	R	R	DY	G	DY	Y	Artificial Light
Shade Change with Intrafix CR 200		B	B	R	R	=	R	B	Shade Change
Dischargeability	Neutral	5	5	5	5	4-5	4	4-5	Dischargeability
	Alkaline	4	4-5	3	4-5	4-5	4	4	
Sensitivity	Cu ⁺⁺	4	4	4	4	4-5	4-5	1	BS EN ISO 105-Z02
	FE ⁺⁺⁺	3	4	4-5	4-5	4-5	4-5	4	
Suitability for Hard Water (30°F)				✓	✓	✓	✓		Hard Water

Key to suggested selections

- = Recommended
- = 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
- = 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.