



# Telon®

The good levelling polyamide dye range for light to medium shades  
 Gut egalisierende Polyamid-Farbstoffe für helle bis mittlere Töne



## Telon

The polyamide dye range for light to medium shades



### Merkmale

- Hohe Lichtechtheit (ISO 105-B02)
- Hohe perspirationale Beständigkeit (ISO 105-E04)
- Hohe Wasserbeständigkeit (ISO 105-E01)
- Hohe Schweißechtheit (ISO 105-E03)
- Hohe Beständigkeit gegen Chlorbleichmittel (ISO 105-E05)
- Hohe Beständigkeit gegen Chlorbleichmittel (ISO 105-E06)
- Hohe Beständigkeit gegen Chlorbleichmittel (ISO 105-E07)
- Hohe Beständigkeit gegen Chlorbleichmittel (ISO 105-E08)
- Hohe Beständigkeit gegen Chlorbleichmittel (ISO 105-E09)
- Hohe Beständigkeit gegen Chlorbleichmittel (ISO 105-E10)

### Standardabmessungen

Typ	Querschnitt	Ordnung
1/1 S.D. / 1/1 S.D. 4-gefadelt	1/1 S.D. / 1/1 S.D. 4-gefadelt	1/1 S.D. / 1/1 S.D. 4-gefadelt

Abmessungen	Abmessungen	Abmessungen
1/1 S.D. / 1/1 S.D. 4-gefadelt	1/1 S.D. / 1/1 S.D. 4-gefadelt	1/1 S.D. / 1/1 S.D. 4-gefadelt

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## Telon

### Polyamide 6.6 (Helanca)

#### 1/1 S.D. / 1/1 S.D. 4-gefadelt

#### Combination data / Physikalische Kombinationskennzahlen

	Yellow EG	Yellow PRLN micro	Yellow PRL micro	Yellow 4R micro	Brown 3G 200%	Pink BRRL	Red FRL micro	Red 2BL micro	Red 2B	Red BRLL micro	Blue BR	Blue BRLL micro	Blue CGCL
1/1 S.D. / 1/1 S.D. 4-gefadelt	0.5/0.17	0.65/0.22	1.0/0.33	0.65/0.22	1.7/0.56	3.0/1.0	1.2/0.4	0.7/0.23	0.8/0.27	0.7/0.23	0.7/0.23	1.2/0.4	1.7/0.57
K	4.5	4.5	4.0	3.0	4.5	3.5	3.5	3.0	5.0	5.0	3.5	4.0	4.0
K <sub>5</sub>	1.0	1.0	2.5	1.0	1.5	3.0	2.0	3.0	2.5	1.0	2.0	2.0	2.0
K <sub>2</sub>	1.0	2.5	2.0	1.0	1.0	2.0	2.0	2.5	2.5	1.0	1.5	1.5	1.5
K <sub>1</sub>	1.0	2.0	1.5	1.0	0.5	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0
Solubility (90°C) in gl. / Löslichkeit (90°C) in gl.	30	40	60	60	60	40	60	15	30	30	40	40	30
Stability of solution 90/25 °C in gl. / Lösungsbeständigkeit 90/25 °C in gl.	30	20	20	20	5	40	40	15	30	30	20	20	10
Light fastness / Lichtechtheit (Xenotest) ISO 105-B02	5-6	6	6	5-6	6-7	6-7	6-7	6	5	6	6-7	6-7	6-7
Fastness to water (severe treatment) / Wasserbeständigkeit (schwere Beanspruchung)	F	5	5	5	5	5	5	5	5	5	5	5	5
ISO 105-E01	PA	4	4-5	4	4-5	3-4	3-4	4-5	4	4-5	4-5	3	3
after treated with Sera® Fast N-HEN / nachbehandelt mit Sera Fast N-HEN	F	5	5	5	5	5	5	5	5	5	5	5	5
Fastness to perspiration (acid) / Schweißechtheit (sauer)	F	5	5	5	5	5	5	5	5	5	5	5	5
ISO 105-E04	PA	3-4	4-5	4	4-5	4	3-4	4	3-4	4-5	4	3-4	3-4
after treated with Sera® Fast N-HEN / nachbehandelt mit Sera Fast N-HEN	F	5	5	5	5	5	5	5	5	5	5	5	5
Fastness to perspiration (alkaline) / Schweißechtheit (alkalisch)	F	5	5	5	5	5	5	5	5	5	5	5	5
ISO 105-E04	PA	2-3	4	3	3-4	3-4	2-3	3	2-3	4	3	2-3	2-3
after treated with Sera® Fast N-HEN / nachbehandelt mit Sera Fast N-HEN	F	4	4-5	4	4-5	4	3-4	4	3-4	4	4-5	3-4	3
Fastness to washing 40°C / Waschechtheit 40°C	F	5	5	5	5	5	5	5	5	5	5	5	5
ISO 105-C01	PA	5	5	5	5	4-5	4-5	4-5	5	4-5	5	4-5	4-5
after treated with Sera® Fast N-HEN / nachbehandelt mit Sera Fast N-HEN	F	5	5	5	5	5	5	5	5	5	5	5	5
Fastness to washing 60°C / Waschechtheit 60°C	F	4-5	4-5	4	4	4	4	4	4B	4-5	3-4	4	3-4
ISO 105-C03	PA	3-4	4-5	4-5	4-5	3	2-3	2	3-4	3	3	2-3	3
after treated with Sera® Fast N-HEN / nachbehandelt mit Sera Fast N-HEN	F	5	5	5	5	5	4-5	4	5	3-4	5	4-5	4
Fastness to washing 80°C / Waschechtheit 80°C	F	4-5	4-5	4	4	4	4	4	4B	4-5	4	4	3-4
ISO 105-C06-Cl Multiplier	CO	5	5	4-5	4-5	5	4-5	4-5	5	3-4	4-5	4	3-4
after treated with Sera® Fast N-HEN / nachbehandelt mit Sera Fast N-HEN	F	5	5	5	5	5	5	5	5	5	5	5	5
Fastness to chlorinated water / Chlorbleichmittelbeständigkeit (100 mg/l aktiviertes Chlorine / Aktivchloridgehalt)	F	3	2	3	2-3	2-3	1	2-3	1-2	2	2	1-2T	1-2T
50 mg/l activated chlorine / Aktivchloridgehalt	F	3-4R	4	4-5	4-5	4-5	5	4-5	3	3	4-5	4T	4T
after treated with Sera® Fast N-HEN / nachbehandelt mit Sera Fast N-HEN	F	3-4	2-3	4	4	4	2-3	4	4	3D	3D	2-3D	3-4G
20 mg/l activated chlorine / Aktivchloridgehalt	F	4-5	4-5R	4-5R	4-5R	4-5	4-5	4-5	5	4B	4B	4-5	4-5

Additional fastness data can be found in e-dyes (www.DyStar.com) / Weitere Echtheitsangaben finden Sie in e-dyes







## Telon RN Product profile



## Telon<sup>®</sup> RN High performance reactive dyes for polyamide

- Complete range of 11 dyes in acid and alkali including very bright K 6
- Metameric dyes with very good compatibility and stability
- High fastness to severe treatment (alkaline)
- Good light fastness in alkaline and neutral conditions
- Very good washing fastness at higher temperatures (80-95 °C)
- Multiple washing at 60 °C in water higher temperatures with very low water
- Permanent dyes (Sun RN) suitable for moulding



## Telon RN

Polyamide 6.6



		Luminous Yellow RN	Brilliant Yellow RN	Yellow RNC	Orange RN	Scarlet RN	Red RNC	Brilliant Red RN	Rubine RN	Brilliant Blue RN	Blue RNC	Royal RN	Navy RN	Black RN
1/3 S.D.	% dyestuff	1.6	0.3	0.4	0.5	0.4	0.5	0.5	0.5	0.8	0.5	0.7	0.8	0.8
2/1 S.D. (* S.D. Navy / Black)		>5	1.5	2.0	1.9	1.2	2.1	2.5	1.8	2.3	2.0	2.5	1.9/6.0*	2.0/5.5*
Combination data	K	16	15	12	16	11	12	12	15	15	12	13	15	16
	K 5	9.5	8	7.5	9	6	7.5	8	9	8.5	7.5	8	8	9
	K 6	11	9	7.5	9.5	6	7.5	9	9.5	9.5	7.5	7	9	10
Solubility (90 °C) in g/l		100	100	75	100	70	100	100	100	100	100	60	100	100
Stability of solution (90/25 °C) in g/l		50	100	50	100	70	100	50	100	100	100	60	50	100
Light fastness (Xenotest) ISO 105-B02	1/3 S.D.	4-5	5	6	4-5	4	4	4-5	6	5-6	5	5	4-5	4
	1/1 S.D.	4-5	6	6	5	4-5	4-5	5-6	6	6	5	5-6	4-5	4-5
Fastness to water (severe treatment) ISO 105-E01	without aftertreatment	5	4	5	5	5	4	5	5	5	5	4-5	5	5
	aftertreated with Sera <sup>®</sup> Fast N-HF	5	5	5	5	5	5	5	5	5	5	5	5	5
Fastness to perspiration (acid) ISO 105-E04	without aftertreatment	3-4	5	4-5	4	4	4-5	5	4	5	4-5	4-5	4	4
	aftertreated with Sera Fast N-HF	5	5	5	5	5	5	5	5	5	5	5	5	5
Fastness to perspiration (alkaline) ISO 105-E04	without aftertreatment	2-3	5	4-5	4	4	4	4	3	5	4-5	4-5	4	4
	aftertreated with Sera Fast N-HF	5	5	5	5	5	5	5	5	5	5	5	5	5
Fastness to washing 60 °C ISO 105-C06/C25 (+ perborate)	without aftertreatment	4-5	5	5	4-5	4	5	4	3-4	5	5	5	5	4-5
	aftertreated with Sera Fast N-HF	5	5	5	5	5	5	5	5	5	5	5	5	5
Fastness to washing 95 °C ISO 105-C06/E25 (+ perborate)	without aftertreatment	4	5	5	5	5	5	5	5	5	5	5	5	5
	aftertreated with Sera Fast N-HF	5	5	5	5	5	5	5	5	5	5	5	5	5
M & S fastness, C 10 A	without aftertreatment	5	5	5	5	5	5	5	5	5	4-5	4-5	5	5
	aftertreated with Bayprotect <sup>®</sup> CL	4-5	5	4	4-5	5	5	5	4-5	4-5	3-4	4-5	4	4
Fastness to chlorinated water (20 mg/l activated chlorine) ISO 105-E03	without aftertreatment	4	4-5	3-4	3	3	2-3	3-4	2-3	1-2	1-2	1-2	1-2	1-2
	aftertreated with Bayprotect CL	4-5	5	4	4-5	5	5	5	4-5	4	4	4-5	4	4-5
Fastness to chlorinated water (100 mg/l activated chlorine) ISO 105-E03	without aftertreatment	4	3-4	2	3	2-3	2-3	3-4	2	2	1-2	1-2	1-2	1-2
	aftertreated with Bayprotect CL	4	5	3-4	4-5	5	4-5	5	4-5	2	3	4	3-4	4
Sea water fastness ISO 105-E02	without aftertreatment	4	4-5	4-5	4	4	3-4	3-4	3-4	3-4	4	4	4	5
	aftertreated with Sera Fast N-HF	5	5	5	5	5	5	5	5	4-5	5	5	5	5
		5	5	5	5	5	5	5	5	3-4	5	5	5	5
		4	4-5	4-5	4	4-5	3-4	3-4	3-4	4	4-5	4-5	4	5
		5	5	5	5	5	5	5	5	5	5	5	5	5

(Shade/Stain PA/Stain CO)

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DyStar  
Dyeing solutions



# Isolan®

The high light fast polyamide dye range  
Das hochlichtechte Polyamid-Sortiment

Isolan – the high light fast polyamide dye range for  
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- Isolan 100-115
- Isolan 100-120
- Isolan 100-125

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Isolan – das hochlichtechte Polyamid-Sortiment für  
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# Isolan



Polyamide 6.6 (Helaica)

1/1 S.D. / 1/3 S.D. % dyestuff / 1/1 RTT / 1/3 RTT % Farbstoff	1.0/0.33	0.9/0.3	1.3/0.43	2.2/0.73	1.9/0.63	0.95/0.32	1.3/0.43	1.3/0.43	2.7
Combination data / Physikalische Kombinationskennzahlen									
K	5.0	0	0.5	1.0	0.5	-1.0	0.5	3.0	3.0
K <sub>1</sub>	4.5	3.0	3.0	5.5	4.5	2.5	5.5	4.0	7.0
K <sub>2</sub>	3.0	2.0	2.0	4.0	2.5	2.0	2.5	2.5	6.0
K <sub>3</sub>	2.5	3.0	0.5	3.0	3.0	2.5	0	1.0	2.5
Solubility (90 °C) in g/l / Löslichkeit (90 °C) in g/l	30	40	40	60	50	60	40	70	40
Stability of solution 90/25 °C in g/l / Lösungsbeständigkeit 90/25 °C in g/l	30	20	20	40	40	60	20	50	20
Light fastness / Lichtechtheit	6-7	7-8	7	6-7	6	7	6-7	6	6
(Xenotest) ISO 105-B02	7	7-8	7	6-7	6-7	7	6-7	6-7	7
Fastness to water (severe treatment) / Wasserechtheit (schwere Beanspruchung)	F	5	5	5	5	5	5	5	4-5
without aftertreatment / ohne Nachbehandlung	PA	4-5	5	5	4-5	4-5	4-5	5	4
ISO 105-E01	CO	5	5	5	5	5	5	5	5
aftertreated with Sera® Fast N-HFN / nachbehandelt mit Sera Fast N-HFN	F	5	5	5	5	5	5	5	5
PA	5	5	5	5	5	5	5	5	4-5
CO	5	5	5	5	5	5	5	5	5
Fastness to perspiration (acid) / Schweißechtheit (sauer)	F	5	5	5	5	5	5	5	5
without aftertreatment / ohne Nachbehandlung	PA	4-5	5	5	4-5	4-5	4-5	5	4
ISO 105-E04	CO	5	5	5	5	5	5	5	5
aftertreated with Sera Fast N-HFN / nachbehandelt mit Sera Fast N-HFN	F	5	5	5	5	5	5	5	5
PA	5	5	5	5	5	5	4-5	5	4-5
CO	5	5	5	5	5	5	5	5	5
Fastness to perspiration (alkaline) / Schweißechtheit (alkalisch)	F	5	5	5	5	5	5	5	5
without aftertreatment / ohne Nachbehandlung	PA	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4
ISO 105-E04	CO	4-5	5	5	5	5	5	5	5
aftertreated with Sera Fast N-HFN / nachbehandelt mit Sera Fast N-HFN	F	5	5	5	5	5	5	5	5
PA	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4
CO	5	5	5	5	5	5	5	5	5
Fastness to washing 40 °C / Waschechtheit 40 °C	F	5	5	5	5	5	5	4-5	5
without aftertreatment / ohne Nachbehandlung	PA	5	5	5	5	5	4-5	5	5
ISO 105-C01	CO	5	5	5	5	5	5	5	5
aftertreated with Sera Fast N-HFN / nachbehandelt mit Sera Fast N-HFN	F	5	5	5	5	5	5	5	5
PA	5	5	5	5	5	5	5	5	5
CO	5	5	5	5	5	5	5	5	5
Fastness to washing 60 °C / Waschechtheit 60 °C	F	5	5	4-5	5	5	5	4-5	5
without aftertreatment / ohne Nachbehandlung	PA	5	4-5	4-5	4-5	4-5	3-4	4-5	2
ISO 105-C03	CO	5	5	5	5	5	5	5	5
aftertreated with Sera Fast N-HFN / nachbehandelt mit Sera Fast N-HFN	F	5	5	5	5	5	5	5	5
PA	5	5	5	5	5	5	5	5	3
CO	5	5	5	5	5	5	5	5	5
Fastness to washing 60 °C / Waschechtheit 60 °C	F	4-5	5	5	5	5	5	4-5	5
without aftertreatment / ohne Nachbehandlung	CO	5	5	5	5	5	5	5	5
ISO 105-C06-C1 Multifibre	PA	4	3	4	4	4	3	4	2
CV	4-5	5	5	4-5	4-5	5	3	5	5
aftertreated with Sera Fast N-HFN / nachbehandelt mit Sera Fast N-HFN	F	5	5	5	5	5	5	5	5
CO	5	5	5	5	5	5	5	5	5
PA	4-5	4	4-5	4-5	4-5	3-4	4-5	4-5	3
CV	5	5	5	5	5	5	5	5	5
Fastness to chlorinated water / Chlorbleichwässerechtheit ISO 105-E03	F	4	2	2-3	2-3	2	3	1-2	2-3
without aftertreatment / ohne Nachbehandlung	CO	5	5	5	5	5	5	5	5
aftertreated with Bayprotect® CL / nachbehandelt mit Bayprotect CL	F	4-5	3	4-5	4-5Y	4-5Y	4-5	3	4-5
50									





# Isolan® 2S

The polyamide dye range for top wet fastness properties

Polyamidfarbstoffe für sehr hohe Massechtheit



## Isolan 2S

Dye range for top wet fastness properties in opaque shades

Isolan 2S ist eine neue Polyamidfarbstoffreihe mit herausragenden Eigenschaften für die Färbung von Polyamidtextilien. Die Farbstoffe sind für die Färbung von Polyamidtextilien in opaken Schattierungen geeignet. Die Farbstoffe sind für die Färbung von Polyamidtextilien in opaken Schattierungen geeignet.

### Legend:

- ✓ Moisture fastness
- ✓ Wash fastness
- ✓ Light fastness
- ✓ Chlorine fastness
- ✓ Rub fastness

### Example of source combinations

Example of source combinations for the dye range Isolan 2S. The dye range Isolan 2S is suitable for the dyeing of polyamide fabrics. The dye range Isolan 2S is suitable for the dyeing of polyamide fabrics.

### Yellow

- Isolan 2S-GLN (2S)
- Isolan 2S-R
- Isolan 2S-GL

### Pink

- Isolan 2S-CP
- Isolan 2S-EL
- Isolan 2S-CP

### Red

- Isolan 2S-CP
- Isolan 2S-EL
- Isolan 2S-CP

### Black

- Isolan 2S-CP
- Isolan 2S-EL
- Isolan 2S-CP
- Isolan 2S-EL

### Blue

- Isolan 2S-CP
- Isolan 2S-EL
- Isolan 2S-CP

### Green

- Isolan 2S-CP
- Isolan 2S-EL
- Isolan 2S-CP

### Brown

- Isolan 2S-CP
- Isolan 2S-EL
- Isolan 2S-CP

## Isolan 2S

Polyamide 6.6 (Helacla)

	0.92/0.3	0.85/0.28	1.3/0.43	1.2/0.4	0.95/0.32	0.85/0.28	2.4	1.0/0.33	2.5/3.75	2.0	4.0	6.25			
1/1 S.D. / 1/3 S.D. % dyestuff / 1/1 RTT / 1/3 RTT % Farbstoff															
Combination data / Physikalische Kombinationskennzahlen															
K	11	10	7.0	9.5	6.5	5.5	4.5	6.0	3.0	3.0	3.5	2.0			
K <sub>1</sub>	8.5	8.0	5.5	9.0	7.0	6.0	6.0	6.0	7.0	7.0	7.5	6.5			
K <sub>2</sub>	8.0	7.5	5.0	8.0	6.5	6.0	6.0	6.0	7.0	7.0	-	6.5			
K <sub>3</sub>	>8.5	>8.5	6.0	8.0	6.5	>7.0	4.0	>7.0	-	-	-	-			
Solubility (90 °C) in g/l / Löslichkeit (90 °C) in g/l	15	60	50	50	20	50	40	60	100/140	80	100	-			
Stability of solution 90/25 °C in g/l / Lösungsbeständigkeit 90/25 °C in g/l	10	30	50	20	10	50	30	50	50/90	40	50	-			
Light fastness / Lichtechtheit (Xenotes) ISO 105-B02	6-7	6-7	6	5-6	5	7	6-7	7	7	7	7	7			
Fastness to water (severe treatment) / Wasserechtheit (schwere Beanspruchung) ISO 105-E01	without aftertreatment / ohne Nachbehandlung		F	5	5	5	4-5B	5	4-5B	5	4-5	5	5	5	
	PA	5	5	5	4-5	5	4-5	5	4-5	5	4	4	3-4	4-5	
	CO	5	5	5	5	5	5	5	5	5	5	5	5	5	
	aftertreated with Sera® Fast N-HFN / nachbehandelt mit Sera Fast N-HFN		F	5	5	5	4-5B	5	4-5B	5	5	5	5	5	
	PA	5	5	5	5	5	5	5	5	5	5	5	5	5	
	CO	5	5	5	5	5	5	5	5	5	5	5	5	5	
Fastness to perspiration (acid) / Schweißechtheit (sauer) ISO 105-E04	without aftertreatment / ohne Nachbehandlung		F	5	5	5	4-5Y	5	4-5Y	5	5	5	5	5	
	PA	4-5	5	4-5	4-5	5	4-5	4-5	4	4	4	4	4	4-5	
	CO	5	5	5	4-5	5	4-5	5	5	5	5	5	5	5	
	aftertreated with Sera Fast N-HFN / nachbehandelt mit Sera Fast N-HFN		F	5	5	5	5	5	4-5	5	5	5	5	5	
	PA	5	5	5	5	5	5	5	5	5	5	5	5	5	
	CO	5	5	5	5	5	5	5	5	5	5	5	5	5	
Fastness to perspiration (alkaline) / Schweißechtheit (alkalisch) ISO 105-E04	without aftertreatment / ohne Nachbehandlung		F	5	5	5	4-5Y	5	4-5Y	4-5	5	5	5	5	
	PA	4-5	5	4-5	4-5	5	4-5	4-5	4	4	4	3-4	4-5	4-5	
	CO	5	5	5	4-5	5	5	4-5	4	4	4-5	4-5	4-5	5	
	aftertreated with Sera Fast N-HFN / nachbehandelt mit Sera Fast N-HFN		F	5	5	5	5	4-5Y	5	5	5	5	5	5	
	PA	5	5	5	5	5	5	5	4-5	4-5	4-5	4-5	4-5	4-5	
	CO	5	5	5	5	5	5	5	5	5	5	5	5	5	
Fastness to washing 40 °C / Waschechtheit 40 °C ISO 105-C01	without aftertreatment / ohne Nachbehandlung		F	5	5	5	4-5Y	5	5	5	5	5	5	5	
	PA	5	5	5	5	5	5	5	5	5	5	5	5	5	
	CO	5	5	5	5	5	5	5	5	5	5	5	5	5	
	aftertreated with Sera Fast N-HFN / nachbehandelt mit Sera Fast N-HFN		F	5	5	5	5	5	5	5	5	5	5	5	
	PA	5	5	5	5	5	5	5	5	5	5	5	5	5	
	CO	5	5	5	5	5	5	5	5	5	5	5	5	5	
Fastness to washing 60 °C / Waschechtheit 60 °C ISO 105-C03	without aftertreatment / ohne Nachbehandlung		F	4-5	5	4-5Y	4Y	4-5	4-5Y	4-5	5	5	5	5	
	PA	5	5	5	5	5	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	
	CO	5	5	5	5	5	5	5	4-5	4-5	4-5	4-5	4-5	4-5	
	aftertreated with Sera Fast N-HFN / nachbehandelt mit Sera Fast N-HFN		F	5	5	5	4-5Y	5	4-5Y	5	5	5	5	5	
	PA	5	5	5	5	5	5	5	5	5	5	5	5	5	
	CO	5	5	5	5	5	5	5	5	5	5	5	5	5	
Fastness to washing 60 °C / Waschechtheit 60 °C ISO 105-C06-C1 Multifibre	without aftertreatment / ohne Nachbehandlung		F	4-5	4-5	4-5Y	4Y	5	4-5Y	5	5	4-5	4-5	4-5	
	CO	5	5	5	5	5	5	5	5	4	4	4-5	5	5	
	PA	5	5	5	5	5	5	4-5	5	3-4	3-4	4-5	4	4	
	CV	5	5	5	5	5	5	4-5	5	3-4	3-4	5	4-5	4-5	
	aftertreated with Sera Fast N-HFN / nachbehandelt mit Sera Fast N-HFN		F	4-5	4-5	4-5Y	4Y	5	4-5Y	5	5	4-5	4-5	4-5	
	CO	5	5	5	5	5	5	5	5	5	5	5	5	5	
	PA	5	5	5	5	5	5	5	5	5	5	4-5	5	5	
	CV	5	5	5	5	5	5	5	5	5	5	5	5	5	
Fastness to chlorinated water / Chlorbadwasserechtheit ISO 105-E03 100 mg/l activated chlorine / Aktivchlorgehalt	without aftertreatment / ohne Nachbehandlung		F	3-4	1-2	2-3	3-4Y	1-2	1	2	1-2	2	2	3	2-3
	aftertreated with Bayprotect®-CL / nachbehandelt mit Bayprotect CL		F	4-5	3	4-5	4	2-3	3-4	3	4D	4	4	4-5	4
50 mg/l activated chlorine / Aktivchlorgehalt	without aftertreatment / ohne Nachbehandlung		F	4-5	2	4	3Y	2	2-3	3-4Y	3Y	4	4	4-5	4
	aftertreated with Bayprotect CL / nachbehandelt mit Bayprotect CL		F	5	4-5	4-5	4-5	4-5	4-5	3-4Y	4-5	5	5	5	5
20 mg/l activated chlorine / Aktivchlorgehalt	without aftertreatment / ohne Nachbehandlung		F	4-5	4	4-5	4	3-4	4	3-4	4	4	4	4-5	4



Additional fastness data can be found in e-dyes (www.DyStar.com) / Weitere Echtheitsangaben finden Sie in e-dyes

\*available in liquid form / als Flüssigmarke erhältlich

