CHT
SMART CHEMISTRY
WITH CHARACTER.
BEZAPRINT
PIGMENTS FOR PRINTING

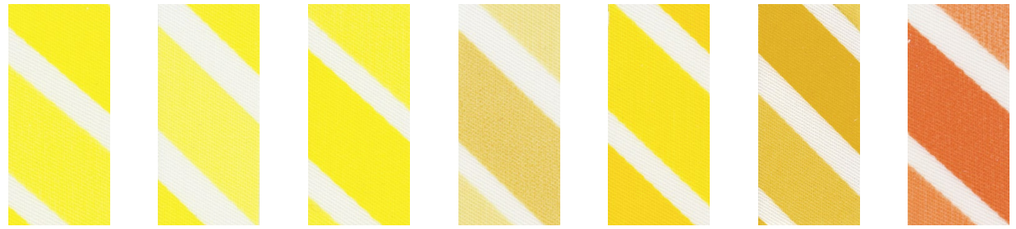
BEZAPRINT

BEZAPRINT

A **ADVANCED**

Improved and adapted ranges for versatile and economical use which meet high requirements.

Color-Prints with 30 and 7.5 g/kg
White Print with 80 g/kg



				BEZAPRINT White 001		BEZAPRINT Yellow HL		BEZAPRINT Yellow 3GT		BEZAPRINT Yellow 2GN		BEZAPRINT Yellow GOT		BEZAPRINT Yellow RR		BEZAPRINT Golden Yellow M		BEZAPRINT Orange EF	
				CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES
Fastness to light		CC	1 g/kg	7		6-7		5-6		2		6		5-6		6		3-4	
			7.5 g/kg	7		7		7		4		6-7		6-7		6-7		5	
			30 g/kg	7-8		7-8		8		7		7-8		8		7-8		7-8	
Fastness to weathering		CC	1 g/kg	7		5		5		n.s.		6-7		5		1		n.s.	
			7.5 g/kg	7		6		6-7		n.s.		7		6-7		2-3		n.s.	
			30 g/kg	7		7		7		n.s.		7		7		5		n.s.	
Fastness to hypochlorite bleaching		CC	1 g/kg	5		5		4-5		5		4-5		4-5		3		3-4	
			30 g/kg	5		4-5		5		5		5		5		3		4-5	
Fastness to chlorinated water	100 mg/l Chlorine	CC	1 g/kg	5		5		5		5		4-5		5		4-5		4-5	
			30 g/kg	5		5		5		5		5		5		4-5		5	
Fastness to dry cleaning	Perchlorethylene	CC SO	1 g/kg	5		5		4		2-3		4-5		5		5		2-3	
				5		5		4-5		5		4-5		5		5		4	
		CC SO	30 g/kg	5		5		4-5		5		5		5		4-5		3	
				5		5		3-4		4-5		5		5		4-5		2-3	
Suitability for PVC coating		PVC	30 g/kg	5		5		4		3		4-5		4-5		4-5		3	
Change of shade during fixation	4 min, 150 ° C	CC	1 g/kg	5		5		5		4		4-5		5		5		3	
			30 g/kg	5		5		5		5		5		5		5		4-5	
Heat stability	2 min, 175 ° C	CC	1 g/kg	5	5	5	5	4-5	4	4	4-5	4-5	4-5	5	5	5	5	1	5
			30 g/kg	5	5	5	5	5	5	5	5	5	4-5	5	5	5	5	5	2-3
	1 min, 200 ° C	CC	1 g/kg	5	5	5	5	4	3	3	3	4	4-5	4-5	5	5	5	1-2	4-5
			30 g/kg	5	5	5	5	4-5	4-5	4-5	4-5	4-5	4-5	5	5	5	5	5	1-2
Discharge resistance in the printing paste	Tubiscreen DC Agent			+		+		+		+		(+)		+		–		–	
Selection for screen printing				●		●		●						●		●			
Selection for PIGMENTURA by CHT						●		●						●				●	
GOTS[1]				●		●		●		●		●						●	
bluesign®				bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED	

n.s. not suitable
\+ resistant to discharge
(+) limited resistant to discharge (only for short time)
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CC color change
PVC staining of the PVC-foil
SO staining of the solvent

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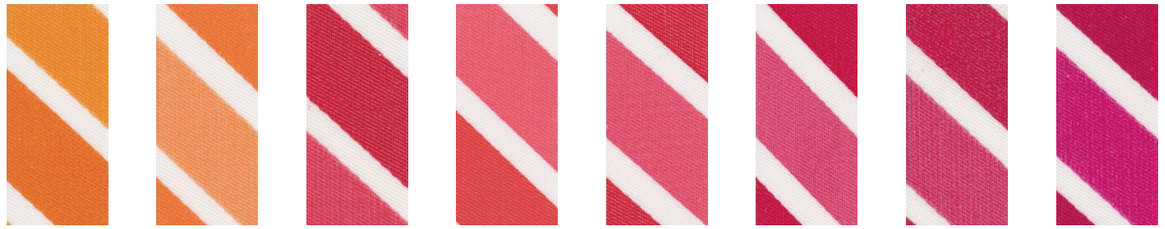

				BEZAPRINT Orange RG		BEZAPRINT Orange GT		BEZAPRINT Red SGR		BEZAPRINT Red HBB		BEZAPRINT Scarlet RR		BEZAPRINT Red KGC		BEZAPRINT Red GOT		BEZAPRINT Red KF	
				CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES
Fastness to light		CC	1 g/kg	2		7		1		3		7		4		5		3-4	
			7.5 g/kg	4		7-8		1-2		3-4		7-8		6-7		5-6		5	
			30 g/kg	7		7-8		4		5-6		7-8		7-8		7-8		6-7	
Fastness to weathering		CC	1 g/kg	n.s.		7		n.s.		n.s.		7		n.s.		n.s.		n.s.	
			7.5 g/kg	n.s.		7		n.s.		n.s.		7		n.s.		n.s.		n.s.	
			30 g/kg	6-7		7		n.s.		n.s.		7		6-7		6		7	
Fastness to hypochlorite bleaching		CC	1 g/kg	4-5		4-5		4-5		4-5		5		4-5		4-5		5	
			30 g/kg	5		4-5		4-5		4-5		4-5		5		5		5	
Fastness to chlorinated water	100 mg/l Chlorine	CC	1 g/kg	5		5		5		5		5		5		4-5		5	
			30 g/kg	5		5		5		4-5		5		5		5		5	
Fastness to dry cleaning	Perchlorethylene	CC SO	1 g/kg	3 4		4-5 5		4 5		4 4-5		4-5 5		5 5		4-5 4-5		4-5 5	
		CC SO	30 g/kg	5 2		4-5 5		4 4-5		4 4-5		4-5 5		5 5		5 5		4-5 5	
Suitability for PVC coating		PVC	30 g/kg	3-4		4-5		3-4		3-4		4-5		4-5		4-5		3-4	
Change of shade during fixation	4 min, 150 °C	CC	1 g/kg	4-5		5		3-4		3-4		4-5		4-5		4-5		4-5	
			30 g/kg	5		5		4		4		5		5		5		5	
Heat stability	2 min, 175 °C	CC	1 g/kg	5	3-4	4-5	2	3-4	3-4	4	2-3	4-5	4-5	3-4	2	3	2	4-5	3-4
			30 g/kg	5	5	5	4-5	4	4-5	4	4-5	5	5	5	5	5	5	5	4-5
	1 min, 200 °C	CC	1 g/kg	4-5	2-3	3-4	1	3-4	2	3	2	4	4	2	1-2	1-2	1	4	2
			30 g/kg	5	4-5	5	3-4	4	4	4	3-4	5	4-5	5	4-5	5	4	5	4-5
Discharge resistance in the printing paste	Tubiscreen DC Agent			+		–		–		–		+		(+)		(+)		(+)	
Selection for screen printing				●				●		●		●		●				●	
Selection for PIGMENTURA by CHT								●				●						●	
GOTS[1]						●		●		●		●		●		●			
bluesign®				bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED	

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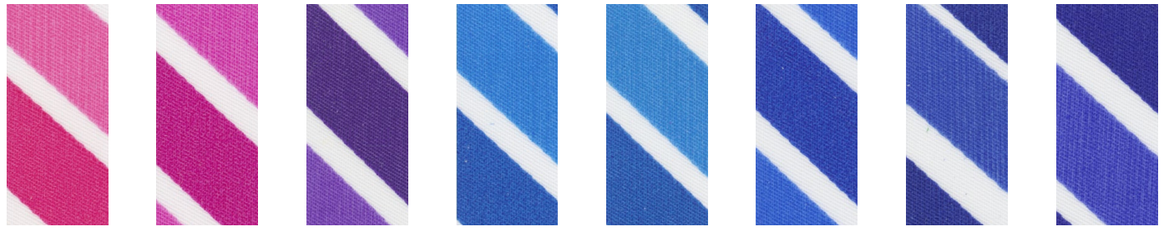

				BEZAPRINT Pink BW		BEZAPRINT Violet FB		BEZAPRINT Violet TN		BEZAPRINT Blue TB		BEZAPRINT Blue GOT		BEZAPRINT Blue BT		BEZAPRINT Blue RT		BEZAPRINT Blue RR	
				CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES
Fastness to light		CC	1 g/kg	7-8		7-8		7		7-8		6-7		7-8		7-8		7-8	
			7.5 g/kg	7-8		7-8		7		7-8		7-8		7-8		7-8		7-8	
			30 g/kg	7-8		7-8		7-8		7-8		7-8		7-8		7-8		7-8	
Fastness to weathering		CC	1 g/kg	6		6-7		7		7		5-6		7		6		5	
			7.5 g/kg	6		7		7		7		6		7		6		5-6	
			30 g/kg	7		7		7		7		6-7		7		6		6-7	
Fastness to hypochlorite bleaching		CC	1 g/kg	2-3		2-3		4-5		4-5		4-5		4-5		4-5		4-5	
			30 g/kg	3		2		4-5		5		5		5		5		5	
Fastness to chlorinated water	100 mg/l Chlorine	CC	1 g/kg	3		4-5		5		5		4-5		5		5		5	
			30 g/kg	4		4-5		4		4-5		5		4-5		4-5		4-5	
Fastness to dry cleaning	Perchlorethylene	CC SO	1 g/kg	5 5		5 5		4 4		5 5		4-5 4-5		4 5		5 5		3-4 3-4	
		CC SO	30 g/kg	5 5		5 5		4-5 4		4-5 5		5 5		4-5 5		5 5		4 4	
Suitability for PVC coating		PVC	30 g/kg	4		4-5		4-5		4-5		4-5		4-5		4-5		4-5	
Change of shade during fixation	4 min, 150 °C	CC	1 g/kg	4-5		4-5		4-5		4-5		4-5		4-5		4-5		4-5	
			30 g/kg	5		5		5		5		5		5		5		4-5	
Heat stability	2 min, 175 °C	CC	1 g/kg	4	4	4-5	4-5	4-5	4-5	4-5	5	4-5	4-5	4	4-5	4	4-5	4-5	4-5
			30 g/kg	5	5	5	4-5	5	5	5	5	4-5	4-5	5	5	5	4-5	5	5
	1 min, 200 °C	CC	1 g/kg	3	3	4	4	3-4	4	4	4-5	4	4	4	4	3-4	3-4	3-4	3-4
			30 g/kg	4-5	4-5	4-5	4-5	5	5	4-5	5	4	4-5	4-5	5	5	4-5	5	5
Discharge resistance in the printing paste	Tubiscreen DC Agent			+		+		+		+		+		+		+		+	
Selection for screen printing				●		●		●		●				●				●	
Selection for PIGMENTURA by CHT				●		●				●				●		●			
GOTS[1]				●		●				●		●		●		●		●	
bluesign®				bluesign® APPROVED		bluesign® APPROVED				bluesign® APPROVED		bluesign® APPROVED		bluesign® APPROVED					

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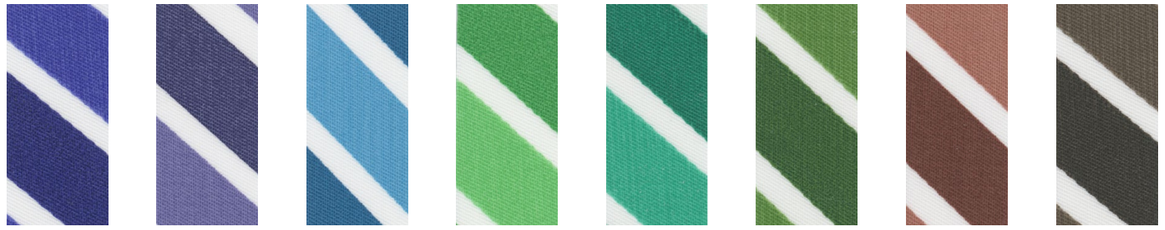

				BEZAPRINT Navy TR		BEZAPRINT Navy B-WN		BEZAPRINT Turquoise GT		BEZAPRINT Green BS		BEZAPRINT Green BT		BEZAPRINT Olive Green BT		BEZAPRINT Brown B-RRT		BEZAPRINT Brown TM	
				CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES	CO	PES
Fastness to light		CC	1 g/kg	7-8		3-4		7-8		4		7-8		5-6		5		7	
			7.5 g/kg	7-8		4		7-8		5-6		7-8		6-7		5-6		7-8	
			30 g/kg	7-8		5-6		7-8		7		7-8		7-8		6-7		7-8	
Fastness to weathering		CC	1 g/kg	6		n.s.		7		n.s.		7		5		n.s.		6	
			7.5 g/kg	6		n.s.		7		5		7		6		n.s.		6-7	
			30 g/kg	6-7		n.s.		7		6-7		7		7		n.s.		7	
Fastness to hypochlorite bleaching		CC	1 g/kg	4-5		4		4-5		5		5		4-5		4		5	
			30 g/kg	5		4		5		5		5		5		4-5		5	
Fastness to chlorinated water	100 mg/l Chlorine	CC	1 g/kg	5		4-5		5		5		5		5		4		5	
			30 g/kg	4-5		4-5		5		5		5		5		4-5		5	
Fastness to dry cleaning	Perchlorethylene	CC SO	1 g/kg	3		1		4-5		4		5		5		3		5	
				4-5		4		5		4-5		5		5		4-5		5	
		CC SO	30 g/kg	4		4		4-5		5		4-5		4-5		3-4		5	
				4-5		3		5		4-5		5		5		4		5	
Suitability for PVC coating		PVC	30 g/kg	4-5		3-4		4-5		3-4		4-5		4-5		3		2	
Change of shade during fixation	4 min, 150 °C	CC	1 g/kg	4-5		4-5		4-5		4-5		5		5		4		4-5	
			30 g/kg	4-5		5		4		5		5		5		3-4		5	
Heat stability	2 min, 175 °C	CC	1 g/kg	4-5	4-5	4	4	4-5	4-5	4-5	3-4	4-5	5	5	5	4	4	4-5	4-5
			30 g/kg	5	5	4-5	4-5	4	4-5	5	5	5	5	5	5	3-4	4-5	5	4-5
	1 min, 200 °C	CC	1 g/kg	3-4	3-4	3-4	3	3	4	4	2	4	4-5	4-5	4-5	3-4	2-3	4	4-5
			30 g/kg	4-5	5	4-5	4	4	4-5	4-5	4-5	5	5	5	5	3-4	3-4	5	4-5
Discharge resistance in the printing paste	Tubiscreen DC Agent			+		(+)		+		+		+		+		–		+	
Selection for screen printing				●				●		●		●		●		●			
Selection for PIGMENTURA by CHT								●		●		●		●		●			
GOTS[1]				●														●	
bluesign®								bluesign® APPROVED		bluesign® APPROVED				bluesign® APPROVED				bluesign® APPROVED	

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				BEZAPRINT Grey BB		BEZAPRINT Black DT		BEZAPRINT Black DW		BEZAPRINT Black BDC	
				CO	PES	CO	PES	CO	PES	CO	PES
Fastness to light		CC	1 g/kg 7.5 g/kg 30 g/kg	7 7 7-8		7 7 7-8		7-8 7-8 7-8		7-8 7-8 7-8	
Fastness to weathering		CC	1 g/kg 7.5 g/kg 30 g/kg	5 5-6 6-7		7 7 7		7 7 7		7 7 7	
Fastness to hypochlorite bleaching		CC	1 g/kg 30 g/kg	4-5 5		4 5		4 5		5 5	
Fastness to chlorinated water	100 mg/l Chlorine	CC	1 g/kg 30 g/kg	5 5		5 5		5 5		5 5	
Fastness to dry cleaning	Perchlorethylene	CC SO CC SO	1 g/kg 30 g/kg	4 5 4 5		4 5 4-5 4		5 5 5 5		4-5 5 4-5 5	
Suitability for PVC coating		PVC	30 g/kg	4		4-5		4-5		4-5	
Change of shade during fixation	4 min, 150 ° C	CC	1 g/kg 30 g/kg	4-5 4-5		4-5 5		5 5		5 5	
Heat stability	2 min, 175 ° C	CC	1 g/kg 30 g/kg	4-5 5	4-5 5	4-5 5	5 5	5 5	4-5 5	4-5 5	5 5
	1 min, 200 ° C	CC	1 g/kg 30 g/kg	3-4 4-5	3-4 4-5	4-5 5	5 5	5 5	4-5 5	4-5 5	5 5
Discharge resistance in the printing paste	Tubiscreen DC Agent			+		+		+		+	
Selection for screen printing				●		●		●			
Selection for PIGMENTURA by CHT				●				●			
GOTS[1]						●		●		●	
bluesign®								bluesign® APPROVED		bluesign® APPROVED	

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DATA ABOUT FASTNESS PROPERTIES:
The fastness properties indicated in the shade card were determined on bleached, mercerised cotton with the concentrations mentioned.
We have deliberately dispensed with providing information on washing and crokking fastnesses, since they depend mainly on the binding and fixing agents used and barely on the pigment. Depending on type and application quantity (with reference to the amount of pigment used) of binding and fixing agent, these fastnesses may vary significantly. In addition, washing and crocking fastnesses are influenced by softeners, fixing conditions (temperature and time) as well as by the condition of the material to be printed (residual size, neutral pH value, mercerization, texture of the surface). Fastness notes in this case would reflect a momentary situation under optimal test conditions and hence would not be meaningful under other conditions in practice.

The BEZAPRINT range fully complies with the requirements on the limits for impurities or by-products as specified in the ZDHC Manufacturing Restricted Substances List (ZDHC MRSL, current version 3.1, from 2023, refer to www.roadmaptozero.com).
The products of the BEZAPRINT range are suitable for the coloration of textile materials which have to fulfill the requirements of the OEKO-TEX® STANDARD 100 (edition 01.2026). Please contact S&RA BP Textile Solutions – Dyestuff for further details or restrictions (sra-businesspartner-ts@cht.com).
Combinations of C.I. Pigment Orange 13 or 34 with C.I. Pigment Black 7 should be avoided, as 3,3'-dichlorobenzidine can be released with these combinations under the testing method for cancerous amines.

[1] Changes may be possible. We recommend verifying the most up-to-date information in the latest edition of our official Letter of Approval for Colorants.
[2] Determination method: DIN 38414-18, limit value: 0.1 %.
[3] The heavy metal titanium (Ti) is present in the form of titanium dioxide (TiO_2, Pigment White 6).
[4] As iron oxide part of the preparation. Not relevant to the ecotoxicology and the effluent treatment regulations.
[5] The heavy metal is complexly bonded and thus an integral part of the pigment molecule.

Fastness to light		CC	1 g/kg 7.5 g/kg 30 g/kg	Fastness to light	DIN EN ISO 105-B02
Fastness to weathering		CC	1 g/kg 7.5 g/kg 30 g/kg	Fastness to weathering	DIN EN ISO 105-B04
Fastness to hypochlorite bleaching		CC	1 g/kg 30 g/kg	Fastness to hypochlorite bleaching	DIN EN ISO 105-N01
Fastness to chlorinated water	100 mg/l Chlorine	CC	1 g/kg 30 g/kg	Fastness to chlorinated water	DIN EN ISO 105-E03
Fastness to dry cleaning	Perchlorethylene	CC SO CC SO	1 g/kg 30 g/kg	Fastness to dry cleaning	DIN EN ISO 105-D01
Suitability for PVC coating		PVC	30 g/kg	Suitability for PVC coating	DIN EN ISO 105-X10
Change of shade during fixation	4 min, 150 °C	CC	1 g/kg 30 g/kg	Change of shade during fixation	Color change to print dried 2 min 120 °C.
Heat stability	2 min, 175 °C	CC	1 g/kg 30 g/kg	Heat stability	Color change to print dried 105 °C and cured 4 min 150 °C.
	1 min, 200 °C	CC	1 g/kg 30 g/kg		Color change to print cured 4 min 150 °C and add heat setting 1 min 200 °C.
Discharge resistance in the printing paste	Tubiscreen DC Agent			Discharge resistance in the printing paste	
Selection for screen printing				Selection for screen printing	
Selection for PIGMENTURA by CHT				Selection for PIGMENTURA	
GOTS[1]				GOTS[1]	
bluesign®				bluesign®	

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PVC staining of the PVC-foil
SO staining of the solvent

Recommendation for application: prepare fresh for immediate use / Stability of pigment preparations is limited with reducing agent in printing paste (different).

Member of ETAD Ecological and Toxicological Association of the Dyestuffs Organic Pigments Manufactures

The BEZAPRINT products are free from heavy metals in the sense of the limit values recommended by the ETAD for heavy metal contamination.

The data contained in this shade card is given to the best of our knowledge and belief. It does not guarantee specific product properties.

Ecological Information

Name of the pigment	AOX[2] %	Content of heavy metal		Contains C.I. Pigment		
		Metal	%	Orange 13 or 34	Black 7	Yellow 12-14, 16, 17, 81 or 83
BEZAPRINT White 001	free	Ti[3]	38			
BEZAPRINT Yellow HL	free	free				
BEZAPRINT Yellow 3GT	3.3	free				●
BEZAPRINT Yellow 2GN	2.3	free				●
BEZAPRINT Yellow GOT	free	Fe[4]	25			
BEZAPRINT Yellow RR	5.9	free				●
BEZAPRINT Golden Yellow M	free	free				
BEZAPRINT Orange EF	free	free				
BEZAPRINT Orange RG	3.5	free		●		
BEZAPRINT Orange GT	free	free				
BEZAPRINT Red SGR	free	free				
BEZAPRINT Red HBB	0.3	free				●
BEZAPRINT Scarlet RR	free	free				
BEZAPRINT Red KGC	free	free				
BEZAPRINT Red GOT	free	free				
BEZAPRINT Red KF	1.8	free				
BEZAPRINT Pink BW	free	free				
BEZAPRINT Violet FB	free	free				
BEZAPRINT Violet TN	1.2	free				
BEZAPRINT Blue TB	0.4	Cu[5]	4.2			
BEZAPRINT Blue GOT	free	Cu[5]	3.3			
BEZAPRINT Blue BT	free	Cu[5]	4.3			
BEZAPRINT Blue RT	0.8	Cu[5]	3.9		●	
BEZAPRINT Blue RR	0.6	Cu[5]	2.4			
BEZAPRINT Navy TR	0.9	Cu[5]	2.0		●	
BEZAPRINT Navy B-WN	free	Cu[5]	2.6		●	
BEZAPRINT Turquoise GT	8.3	Cu[5]	3.0			
BEZAPRINT Green BS	15.9	Cu[5]	1.3			●
BEZAPRINT Green BT	13.5	Cu[5]	2.4			
BEZAPRINT Olive Green BT	8.8	Cu[5]	0.8		●	●
BEZAPRINT Brown B-RRT	2.3	free			●	●
BEZAPRINT Brown TM	0.5	Fe[4]	10.6		●	●
BEZAPRINT Grey BB	0.7	Cu[5]	2.1		●	
BEZAPRINT Black DT	free	free			●	
BEZAPRINT Black DW	free	free			●	
BEZAPRINT Black BDC	free	free			●	

All BEZAPRINT products are formaldehyde-free.

Printed on 100 % recycled paper that has been awarded the Blue Angel ecolabel. The use of chlorine, halogenated bleaching agents and not readily biodegradable complexing agents is also prohibited during the production process of this recycled paper.

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