

**THE RIGHT PRODUCT FOR
THE RIGHT APPLICATION
PRINTING INK BUSINESS**



HEUBACH'S PRODUCTS

On the following pages we give a general overview of our colorants for the printing ink industry indicating their possible uses in the main fields of application.

THE SYMBOLS MEAN:

■ highly recommended

● recommended

○ limited suitability

– not tested

We would however point out that these recommendations are general guidelines that are intended to make it easier to select suitable products from our range of colorants.

The pigments mentioned in this brochure are recommended for various printing systems.

Our sales organizations and our technical service and development department will be pleased to supply further information on request.



NOTES ON DIARYLIDE PIGMENTS

It has been known for some considerable time that diarylide pigments can decompose when processed at temperatures in excess of 200 °C.

THE FOLLOWING PIGMENTS SUPPLIED BY HEUBACH ARE DIARYLIDE PIGMENTS:

Pigment Yellow 12

Pigment Yellow 13

Pigment Yellow 14

Pigment Yellow 16

Pigment Yellow 17

Pigment Yellow 81

Pigment Yellow 83

Pigment Yellow 126

Pigment Yellow 127

Pigment Yellow 174

Pigment Yellow 176

Pigment Orange 13

Pigment Orange 34

We would like to emphasize that these diarylide pigments must not be used at processing temperatures above 200 °C (see safety data sheets) even if no deleterious effects, such as shade change are readily detectable.

REGISTERED TRADEMARKS:

Cartax®

Flexonyl®

Flexoprint®

Hansa®

Hostaperm®

Novoperm®

PV Fast®

Savinyl®



Heubach works alongside customers to deliver the color solutions they need in their own technological innovations. That is why Heubach is in a leading position to offer the high-performance pigments, pigment preparations and dyes that meet the exacting demands of our customers in various segments of the printing industry.



PACKAGING

Heubach offers a wide range of standard colorants and high performance pigments for packaging inks. Our comprehensive portfolio allows our customers to fulfill the diverse requirements of today's packaging thanks to pigments offering optimized performance together with strong focus on product safety and regulatory compliance.



DECORATIVE LAMINATION

Heubach is a leading supplier of high performance pigments for decorative lamination inks. We provide a wide range of colorants meeting the industry's specific demands for durability and consistency.



SECURITY

Heubach has long experience in supplying pigments for use in security printing. We ensure the high quality consistency, long-term availability and strict confidentiality that are paramount in this business. Products recommended for this application are high performance pigments which offer the requested high fastness towards light and media such as alkali, acid, soap and other solvents. Our product range is available upon consultation.



PUBLICATION INKS

Heubach is a leading supplier of pigments used for publication inks in processes such as publication gravure, coldset offset and heatset offset. We offer a comprehensive range of process colors and spot colors, combined with long standing technical experience.

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COLORANTS RECOMMENDED FOR MAJOR MARKET SEGMENTS

1.1 HOSTAPERM PIGMENTS

The Hostaperm range comprises organic pigments noted for their excellent fastness properties. Pigments selected from this range typically exhibit outstanding fastness to light and weathering and excellent fastness to migration.

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
HOSTAPERM YELLOW H6G	P.Y. 175	●	●	–	–	–
HOSTAPERM YELLOW H3G	P.Y. 154	●	●	–	–	–
HOSTAPERM YELLOW H4G	P.Y. 151	●	■	–	–	–
HOSTAPERM YELLOW HN4G	P.Y. 150	–	■	–	–	–
HOSTAPERM ORANGE GR	P.O. 43	●	●	–	–	–
HOSTAPERM RED D3G 70	P.R. 254	●	●	–	●	–
HOSTAPERM SCARLET G0	P.R. 168	●	●	–	–	–
HOSTAPERM PINK E	P.R. 122	●	●	–	●	–
HOSTAPERM PINK E 02	P.R. 122	■	●	–	●	–
HOSTAPERM RED E3B	P.V. 19	●	●	–	–	–
HOSTAPERM RED E2B 70	P.V. 19	●	●	–	–	–
HOSTAPERM RED E5B 02	P.V. 19	●	●	–	–	–
HOSTAPERM RED VIOLET ER 02	P.V. 19	●	●	–	–	–
HOSTAPERM VIOLET RL 02	P.V. 23	■	●	–	●	–
HOSTAPERM VIOLET RL SPEC. 01	P.V. 23	●	–	–	–	–
HOSTAPERM VIOLET P-RL	P.V. 23	■	–	–	–	–
HOSTAPERM BLUE BT-617-D	P.B. 15:4	●	–	–	–	–
HOSTAPERM BLUE A2R	P.B. 15:1	●	●	–	–	–
HOSTAPERM GREEN GNX	P.G. 7	■	–	–	●	–
HOSTAPERM BROWN HFR 01	P.Br. 25	●	■	–	–	–

1.2 PV FAST PIGMENTS

Optimized for plastic applications, these pigments also show admirable performance in various printing applications particularly those that need characteristics more typically required in polymer processing.

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
PV FAST YELLOW HG	P. Y. 180	–	■	–	–	–
PV FAST YELLOW HR 02	P. Y. 83	●	–	–	–	–
PV FAST ORANGE H4GL 01	P. O. 72	●	–	–	–	–
PV FAST ORANGE H2GL	P. O. 64	●	–	–	–	–
PV FAST RED D3G	P. R. 254	■	■	–	–	–
PV FAST RED BNP	P. R. 214	●	●	–	–	–

1

COLORANTS RECOMMENDED FOR MAJOR MARKET SEGMENTS

1.3 NOVOPERM PIGMENTS

Novoperm pigments exhibit superior fastness properties, when compared to our Permanent product range. These products are designed to be used in printing inks that need to meet more stringent performance targets.

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
NOVOPERM YELLOW F2G	P.Y. 194	●	●	–	●	–
NOVOPERM YELLOW P-HG	P.Y. 180	■	●	–	–	–
NOVOPERM YELLOW 4G 01	P.Y. 155	■	●	–	●	–
NOVOPERM YELLOW 5GD 71	P.Y. 155	●	●	–	●	–
NOVOPERM YELLOW P-M3R	P.Y. 139	■	●	–	–	–
NOVOPERM YELLOW H2G	P.Y. 120	●	●	–	●	–
NOVOPERM YELLOW FGL	P.Y. 97	■	●	–	●	–
NOVOPERM YELLOW HR	P.Y. 83	●	–	–	●	●
NOVOPERM YELLOW HR 02	P.Y. 83	●	–	–	●	–
NOVOPERM YELLOW HR 04	P.Y. 83	■	–	–	●	–
NOVOPERM YELLOW HR 70	P.Y. 83	●	●	–	–	–
NOVOPERM YELLOW P-HRE	P.Y. 83	■	–	–	–	–

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
NOVOPERM ORANGE H5G 70	P.O. 62	●	●	–	–	–
NOVOPERM ORANGE HL	P.O. 36	●	●	–	●	–
NOVOPERM ORANGE HL 70	P.O. 36	●	●	–	–	–
NOVOPERM RED HFG	P.O. 38	●	●	–	●	–
NOVOPERM RED HF2B 01	P.R. 208	●	●	–	–	–
NOVOPERM RED HF3S	P.R. 188	●	■	–	●	–
NOVOPERM RED HF4B	P.R. 187	●	●	–	●	–
NOVOPERM CARMINE HF4C	P.R. 185	■	–	–	●	–
NOVOPERM CARMINE HF3C	P.R. 176	●	■	–	●	–
NOVOPERM RED F2RK 70	P.R. 170	●	●	–	–	–
NOVOPERM RED F3RK 70	P.R. 170	●	●	–	–	–
NOVOPERM RED F5RK	P.R. 170	■	●	–	–	–
NOVOPERM RED BLS 02	P.R. 48:4	●	–	–	–	–
NOVOPERM BORDEAUX HF3R	P.V. 32	●	–	–	–	–

1

COLORANTS RECOMMENDED FOR MAJOR MARKET SEGMENTS

1.4 PERMANENT PIGMENTS

Permanent grade pigments are used in printing inks because of their high tinctorial strength and good all round fastness properties. Within this class there are a number of special P-grades specifically enhanced to offer improved performance in inks for packaging applications.

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
PERMANENT YELLOW GRX 83	P.Y. 176	●	–	–	■	–
PERMANENT YELLOW GRS 80	P.Y. 174	●	–	–	■	–
PERMANENT YELLOW GRY-E82	P.Y. 174	–	–	–	■	–
PERMANENT YELLOW DGR	P.Y. 126	●	–	●	■	–
PERMANENT YELLOW GG 02	P.Y. 17	●	–	–	●	–
PERMANENT YELLOW P-G	P.Y. 14	■	–	–	–	–
PERMANENT YELLOW P-GXL 08	P.Y. 14	■	–	–	–	–
PERMANENT YELLOW P-GRL 07	P.Y. 13	■	–	–	–	–
PERMANENT YELLOW P-GRL 06	P.Y. 13	■	–	–	–	–
PERMANENT YELLOW GR	P.Y. 13	●	–	●	●	–
PERMANENT YELLOW GR 01	P.Y. 13	●	–	●	●	–
PERMANENT YELLOW DHG	P.Y. 12	●	–	●	■	–
PERMANENT YELLOW DHG N22	P.Y. 12	–	–	–	–	■*
PERMANENT YELLOW DHG N26	P.Y. 12	–	–	–	–	■*
PERMANENT ORANGE RL 70	P.O. 34	●	–	–	–	–
PERMANENT ORANGE G	P.O. 13	■	–	●	●	–

* = Limited geographical availability

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
PERMANENT RED P-FK	P. R. 210	■	–	–	–	–
PERMANENT RUBINE F6B	P. R. 184	■	–	–	●	–
PERMANENT CARMINE FBB 02	P. R. 146	■	–	–	●	–
PERMANENT RED FGR	P. R. 112	●	–	–	●	–
PERMANENT RED FGR 02	P. R. 112	●	–	–	●	–
PERMANENT RED FGR 70	P. R. 112	●	–	–	–	–
PERMANENT RUBINE L4B 01	P. R. 57:1	●	–	■	■	●
PERMANENT RUBINE L5B 01	P. R. 57:1	●	–	■	■	●
PERMANENT LAKE RED LCLL	P. R. 53:1	–	–	■	■	●
PERMANENT LAKE RED LCY	P. R. 53:1	–	–	■	■	●
PERMANENT RED LB 01	P. R. 48:2	■	–	●	●	–
PERMANENT BORDEAUX FGR	P. R. 14	●	–	–	●	–
PERMANENT BORDEAUX FRR	P. R. 12	●	–	–	●	–
PERMANENT RED FRR	P. R. 2	●	–	–	●	–

1

COLORANTS RECOMMENDED FOR MAJOR MARKET SEGMENTS

1.5 HANSA PIGMENTS

The Hansa grade pigments are noted for their very good fastness to light particularly in full shades. Their fastness to other products and conditions are typically less pronounced and need to be confirmed to ensure suitability in specific applications.

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
HANSA BRILLIANT YELLOW 5GX 03	P.Y. 74	■	–	–	–	–
HANSA BRILLIANT YELLOW 2GX 70	P.Y. 74	●	–	–	–	–
HANSA BRILLIANT YELLOW 4GX	P.Y. 73	●	–	–	–	–
HANSA YELLOW 10G	P.Y. 3	●	–	–	–	–
HANSA YELLOW 10G 41 GRAN.	P.Y. 3	●	–	–	–	–
HANSA YELLOW G 02	P.Y. 1	●	–	–	–	–
HANSA RED GG	P.O. 5	●	–	–	–	–
HANSA RED R	P.R. 4	●	–	–	–	–
HANSA SCARLET RNC	P.R. 3	●	–	–	–	–
HANSA RED B	P.R. 3	●	–	–	–	–
HANSA RED 3B	P.R. 3	●	–	–	–	–

1.6 FLEXOPRINT PIGMENTS

Flexoprint pigments are surface-treated special pigments for aqueous gravure and flexographic printing inks. These products, when appropriately dispersed, are noteworthy for their respective transparency and jetness as compared to standard aqueous dispersions.

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
FLEXOPRINT YELLOW HR	P.Y. 83	●	–	–	–	–

1.7 CARTAX

Atypical UV-fluorescent agent and preparation for marking and coding purposes. The agents fluoresce in the yellow/green portion of the visible spectrum.

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
CARTAX CXDP POWDER	–	●	●	–	●	–
CARTAX DP LIQUID	–	●	–	–	–	–

1

COLORANTS RECOMMENDED FOR MAJOR MARKET SEGMENTS

1.8 FLEXONYL A PREPARATIONS

Flexonyl A pigment preparations are ideal for producing water/alcohol reducible flexographic printing inks. These dispersions will typically tolerate incorporation of varnishes containing higher levels of alcohol without encountering problems with flocculation or rheology issues.

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
FLEXONYL BLACK A-CB	P. Bl. 7	●	–	–	–	–

1.9 FLEXONYL WF PREPARATIONS

Flexonyl WF grades are aqueous pigment preparations that utilize an amine neutralized acrylic resin binder. Recommended for the manufacture of aqueous flexographic printing inks. Flexonyl WF grades do not contain any organic solvents.

NAME	COLOUR INDEX	PACKAGING INKS	DECORATIVE LAMINATION	PUBLICATION INKS		
				Coldset	Heatset	Pub gravure
FLEXONYL YELLOW WF 074	P. Y. 74	●	–	–	–	–
FLEXONYL ORANGE WF 131	P. O. 13	●	–	–	–	–
FLEXONYL BLUE WF 153	P. B. 15:3	●	–	–	–	–
FLEXONYL BLACK WF 007	P. Bl. 7	●	–	–	–	–

2 STANDARD RANGE OF ORGANIC PIGMENTS

2.1 HOSTAPERM PIGMENTS

The Hostaperm range comprises organic pigments noted for their excellent fastness properties. Pigments selected from this range typically exhibit outstanding fastness to light and weathering and excellent fastness to migration.

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS								
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing	
HOSTAPERM YELLOW H6G	P.Y. 175	○	–	–	●	●	–	○	○	■	–	–	–	–	●	–
HOSTAPERM YELLOW H3G	P.Y. 154	■	–	–	●	○	–	○	○	○	○	■	–	–	●	–
HOSTAPERM YELLOW H4G	P.Y. 151	○	–	–	●	■	■	○	○	■	●	■	–	–	■	■
HOSTAPERM YELLOW HN4G	P.Y. 150	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–
HOSTAPERM ORANGE GR	P.O. 43	■	○	–	●	■	■	●	●	○	●	–	–	–	●	●
HOSTAPERM RED D3G 70	P.R. 254	■	●	–	■	■	■	■	–	●	■	–	–	–	●	■
HOSTAPERM SCARLET G0	P.R. 168	●	○	–	■	●	–	●	●	●	●	–	–	–	●	–
HOSTAPERM PINK E	P.R. 122	■	●	–	●	○	●	●	●	■	–	–	–	–	●	●
HOSTAPERM PINK E 02	P.R. 122	■	●	–	●	○	■	●	●	■	●	–	–	–	●	■
HOSTAPERM RED E3B	P.V. 19	●	○	–	●	■	●	●	●	●	○	■	–	–	●	●
HOSTAPERM RED E2B 70	P.V. 19	●	○	–	●	■	●	●	○	●	–	–	–	–	–	●
HOSTAPERM RED E5B 02	P.V. 19	■	○	–	●	○	■	●	●	●	■	–	–	–	●	■
HOSTAPERM RED VIOLET ER 02	P.V. 19	●	○	–	●	○	●	●	●	●	–	–	–	–	●	●
HOSTAPERM VIOLET RL 02	P.V. 23	■	●	–	●	■	■	●	●	■	–	–	–	–	●	■
HOSTAPERM VIOLET RL SPEC. 01	P.V. 23	●	●	–	●	■	●	●	●	■	–	–	–	–	–	■
HOSTAPERM VIOLET P-RL	P.V. 23	○	○	–	–	–	●	■	■	○	●	–	–	–	–	■
HOSTAPERM BLUE BT-617-D	P.B. 15:4	○	–	–	■	–	■	●	●	■	■	–	–	–	–	■
HOSTAPERM BLUE A2R	P.B. 15:1	○	–	–	■	–	■	●	●	■	■	–	–	–	●	■
HOSTAPERM GREEN GNX	P.G. 7	■	●	–	■	■	■	●	●	■	■	■	–	–	–	■
HOSTAPERM BROWN HFR 01	P.Br. 25	○	–	–	●	■	–	○	○	○	–	–	–	–	■	–

2.2 PV FAST PIGMENTS

Optimized for plastic applications, these pigments also show admirable performance in various printing applications particularly those that need characteristics more typically required in polymer processing.

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS								
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing	
PV FAST YELLOW HG	P.Y. 180	-	-	-	-	-	-	-	-	-	-	-	-	-	■	-
PV FAST YELLOW HR 02	P.Y. 83	■	-	-	-	○	■	-	-	■	-	-	-	-	-	■
PV FAST ORANGE H4GL 01	P.O. 72	-	-	-	-	●	●	-	-	-	-	-	-	-	-	●
PV FAST ORANGE H2GL	P.O. 64	●	-	-	-	●	●	-	-	-	-	-	-	-	-	●
PV FAST RED D3G	P.R. 254	■	-	-	■	■	■	■	-	●	■	-	-	-	■	■
PV FAST RED BNP	P.R. 214	●	-	-	●	■	■	■	●	●	○	-	-	-	●	■

2 STANDARD RANGE OF ORGANIC PIGMENTS

2.3 NOVOPERM PIGMENTS

Novoperm pigments exhibit superior fastness properties, when compared to our Permanent product range. These products are designed to be used in printing inks that need to meet more stringent performance targets.

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS							
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing
NOVOPERM YELLOW F2G	P.Y. 194	●	●	–	●	●	■	–	–	■	■	–	–	●	■
NOVOPERM YELLOW P-HG	P.Y. 180	●	–	–	●	●	■	■	■	○	■	–	–	●	■
NOVOPERM YELLOW 4G 01	P.Y. 155	●	●	–	●	■	●	●	●	●	●	–	–	●	●
NOVOPERM YELLOW 5GD 71	P.Y. 155	●	●	–	●	■	●	●	○	●	●	–	–	●	●
NOVOPERM YELLOW P-M3R	P.Y. 139	●	○	–	●	■	●	■	■	–	–	–	–	●	■
NOVOPERM YELLOW H2G	P.Y. 120	●	●	–	●	■	–	–	–	●	●	■	–	●	–
NOVOPERM YELLOW FGL	P.Y. 97	●	●	–	●	●	■	●	●	●	■	–	–	●	■
NOVOPERM YELLOW HR	P.Y. 83	●	●	–	–	○	●	●	●	●	–	○	–	–	●
NOVOPERM YELLOW HR 02	P.Y. 83	■	●	–	–	○	■	–	–	■	–	–	–	–	■
NOVOPERM YELLOW HR 04	P.Y. 83	■	●	–	–	○	■	■	■	●	–	–	–	–	■
NOVOPERM YELLOW HR 70	P.Y. 83	●	○	–	●	○	■	–	–	●	●	–	–	●	■
NOVOPERM YELLOW P-HRE	P.Y. 83	–	–	–	–	–	–	●	■	–	●	–	–	–	–

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS							
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing
NOVOPERM ORANGE H5G 70	P.O. 62	●	○	—	●	—	■	●	○	●	■	■	—	●	■
NOVOPERM ORANGE HL	P.O. 36	●	●	—	●	■	■	●	●	●	○	—	—	●	■
NOVOPERM ORANGE HL 70	P.O. 36	●	○	—	●	■	■	●	○	●	●	■	—	●	■
NOVOPERM RED HF6	P.O. 38	●	●	—	●	■	●	●	●	●	—	■	—	●	●
NOVOPERM RED HF2B 01	P.R. 208	●	○	—	●	●	■	●	●	●	—	—	—	●	■
NOVOPERM RED HF3S	P.R. 188	●	●	—	—	●	■	●	●	●	■	○	—	■	■
NOVOPERM RED HF4B	P.R. 187	●	●	—	●	■	●	●	●	●	—	—	—	●	—
NOVOPERM CARMINE HF4C	P.R. 185	●	●	—	●	■	■	●	●	●	—	—	—	—	■
NOVOPERM CARMINE HF3C	P.R. 176	●	●	—	●	●	■	■	●	●	—	—	—	■	■
NOVOPERM RED F2RK 70	P.R. 170	●	○	—	●	○	■	●	●	●	—	○	—	●	■
NOVOPERM RED F3RK 70	P.R. 170	●	○	—	●	●	■	●	○	●	—	○	—	●	■
NOVOPERM RED F5RK	P.R. 170	●	●	—	—	●	■	●	●	■	●	■	—	●	■
NOVOPERM RED BLS 02	P.R. 48:4	●	○	—	—	—	—	●	●	○	—	—	—	—	—
NOVOPERM BORDEAUX HF3R	P.V. 32	●	●	—	—	●	■	■	■	●	—	—	—	—	—

2 STANDARD RANGE OF ORGANIC PIGMENTS

2.4 PERMANENT PIGMENTS

Permanent grade pigments are used in printing inks because of their high tinctorial strength and good all round fastness properties. Within this class there are a number of special P-grades specifically enhanced to offer improved performance in inks for packaging applications.

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS								
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing	
PERMANENT YELLOW GRX 83	P.Y. 176	■	■	●	-	○	■	-	-	○	-	-	-	-	-	■
PERMANENT YELLOW GRS 80	P.Y. 174	■	■	●	○	○	○	-	-	-	-	-	-	-	-	○
PERMANENT YELLOW GRY-E82	P.Y. 174	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-
PERMANENT YELLOW DGR	P.Y. 126	■	■	■	-	○	■	●	●	■	○	-	-	-	-	■
PERMANENT YELLOW GG 02	P.Y. 17	●	●	-	-	○	-	■	■	■	■	-	-	-	-	-
PERMANENT YELLOW P-G	P.Y. 14	●	-	-	-	-	-	●	-	-	-	●	-	-	-	-
PERMANENT YELLOW P-GXL 08	P.Y. 14	-	-	-	-	-	■	■	■	-	○	-	-	-	-	○
PERMANENT YELLOW P-GRL 07	P.Y. 13	-	-	-	-	-	-	■	■	-	-	-	-	-	-	-
PERMANENT YELLOW P-GRL 06	P.Y. 13	-	-	-	-	-	-	■	●	○	-	-	-	-	-	-
PERMANENT YELLOW GR	P.Y. 13	■	●	○	-	○	■	●	●	■	●	-	-	-	-	■
PERMANENT YELLOW GR 01	P.Y. 13	■	●	○	-	○	■	●	-	■	●	-	-	-	-	■
PERMANENT YELLOW DHG	P.Y. 12	■	■	■	-	○	■	●	●	●	■	-	-	-	-	■
PERMANENT YELLOW DHG N22	P.Y. 12	-	-	-	-	-	-	-	-	-	-	-	■	-	-	-
PERMANENT YELLOW DHG N26	P.Y. 12	-	-	-	-	-	-	-	-	-	-	-	■	-	-	-
PERMANENT ORANGE RL 70	P.O. 34	●	○	-	-	●	■	●	●	■	○	●	-	-	-	●
PERMANENT ORANGE G	P.O. 13	■	●	●	-	●	■	●	●	■	-	■	-	-	-	■

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS							
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing
PERMANENT RED P-FK	P.R. 210	○	○	-	-	-	■	■	■	○	-	-	-	-	■
PERMANENT RUBINE F6B	P.R. 184	■	●	-	-	●	■	■	●	■	-	-	-	-	■
PERMANENT CARMINE FBB 02	P.R. 146	■	●	-	-	●	■	■	■	■	○	-	-	-	■
PERMANENT RED FGR	P.R. 112	●	●	-	-	-	■	●	●	●	■	○	-	-	■
PERMANENT FGR 02	P.R. 112	●	●	-	-	-	■	●	●	●	●	-	-	-	■
PERMANENT FGR 70	P.R. 112	●	○	-	●	-	■	●	●	●	■	■	-	-	■
PERMANENT RUBINE L4B 01	P.R. 57:1	■	■	■	■	■	■	-	-	○	●	●	●	-	■
PERMANENT RUBINE L5B 01	P.R. 57:1	■	■	■	■	■	■	-	-	○	●	●	●	-	■
PERMANENT LAKE RED LCLL	P.R. 53:1	■	■	■	-	●	●	●	●	■	■	-	●	-	■
PERMANENT LAKE RED LCY	P.R. 53:1	■	■	■	-	●	●	●	●	■	■	-	●	-	●
PERMANENT RED LB 01	P.R. 48:2	●	●	●	-	●	■	■	■	○	-	-	-	-	■
PERMANENT BORDEAUX FGR	P.R. 14	●	●	-	●	-	-	●	●	●	-	○	-	-	-
PERMANENT BORDEAUX FRR	P.R. 12	●	●	-	-	-	-	●	●	●	-	-	-	-	-
PERMANENT RED FRR	P.R. 2	●	●	-	-	-	■	●	●	■	-	-	-	-	■

2 STANDARD RANGE OF ORGANIC PIGMENTS

2.5 HANSA PIGMENTS

The Hansa grade pigments are noted for their very good fastness to light particularly in full shades. Their fastness to other products and conditions are typically less pronounced and need to be confirmed to ensure suitability in specific applications.

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS							
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing
HANSA BRILLIANT YELLOW 56X 03	P.Y. 74	■	-	-	●	-	■	■	○	■	-	-	-	-	■
HANSA BRILLIANT YELLOW 26X 70	P.Y. 74	●	○	-	●	-	■	●	○	■	■	■	-	-	■
HANSA BRILLIANT YELLOW 46X	P.Y. 73	■	-	-	●	-	-	●	○	■	-	○	-	-	-
HANSA YELLOW 10G 41 GRAN.	P.Y. 3	■	-	-	●	-	-	-	-	■	-	-	-	-	-
HANSA YELLOW 10G	P.Y. 3	■	-	-	●	-	■	●	○	■	○	■	-	-	■
HANSA YELLOW G 02	P.Y. 1	-	-	-	●	-	■	●	○	■	■	-	-	-	■
HANSA RED GG	P.O. 5	■	-	-	●	-	●	●	●	■	-	■	-	-	●
HANSA RED R	P.R. 4	■	-	-	-	-	-	●	●	■	-	■	-	-	-
HANSA SCARLET RNC	P.R. 3	■	-	-	-	-	-	●	○	■	●	-	-	-	-
HANSA RED B	P.R. 3	●	-	-	-	-	-	●	○	■	■	■	-	-	-
HANSA RED 3B	P.R. 3	○	-	-	-	-	-	●	○	■	■	■	-	-	-

3 SPECIAL GRADES

3.1 P GRADES

The P grades are organic pigments with extremely low specific conductivity (<0.2 mS/cm), especially recommended for solvent based gravure and flexographic packaging printing inks. Pigments for this range exhibit high color strength, high gloss, high transparency with very good rheological properties and good flocculation stability.

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS								
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing	
HOSTAPERM VIOLET P-RL	P.V. 23	○	○	–	–	–	●	■	■	○	●	–	–	–	–	■
NOVOPERM YELLOW P-HG	P.Y. 180	●	–	–	●	●	■	■	■	○	■	–	–	●	■	
NOVOPERM YELLOW P-M3R	P.Y. 139	●	○	–	●	■	●	■	■	–	–	–	–	●	■	
NOVOPERM YELLOW P-HRE	P.Y. 83	–	–	–	–	–	–	●	■	–	●	–	–	–	–	
PERMANENT YELLOW P-G	P.Y. 14	●	–	–	–	–	–	●	–	–	–	●	–	–	–	
PERMANENT YELLOW P-GXL 08	P.Y. 14	–	–	–	–	–	■	■	■	–	○	–	–	–	○	
PERMANENT YELLOW P-GRL 06	P.Y. 13	–	–	–	–	–	–	■	●	○	–	–	–	–	–	
PERMANENT YELLOW P-GRL 07	P.Y. 13	–	–	–	–	–	–	■	■	–	–	–	–	–	–	
PERMANENT RED P-FK	P.R. 210	○	○	–	–	–	■	■	■	○	–	–	–	–	■	

3 SPECIAL GRADES

3.2 FLEXOPRINT PIGMENTS

Flexoprint pigments are surface-treated special pigments for aqueous gravure and flexographic printing inks. These products, when appropriately dispersed, are noteworthy for their respective transparency and jetness as compared to standard aqueous dispersions.

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS							
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing
FLEXOPRINT YELLOW HR	P.Y. 83	-	-	-	-	-	-	-	-	■	-	-	-	-	-

3.3 CARTAX

Atypical UV-fluorescent agent and preparation for marking and coding purposes. The agents fluoresce in the yellow/green portion of the visible spectrum.

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS							
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing
CARTAX CXDP POWDER	-	●	●	-	●	●	●	●	●	●	●	●	-	●	●
CARTAX DP LIQUID	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-

4 STANDARD RANGE OF PIGMENT PREPARATIONS

4.1 FLEXONYL A PREPARATIONS

Flexonyl A pigment preparations are ideal for producing water/alcohol reducible flexographic printing inks. These dispersions will typically tolerate incorporation of varnishes containing higher levels of alcohol without encountering problems with flocculation or rheology issues.

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS							
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing
FLEXONYL BLACK A-CB	P. Bl. 7	-	-	-	-	-	-	-	-	■	-	-	-	-	-

4.2 FLEXONYL WF PREPARATIONS

Flexonyl WF grades are aqueous pigment preparations that utilize an amine neutralized acrylic resin binder. Recommended for the manufacture of aqueous flexographic printing inks. Flexonyl WF grades do not contain any organic solvents.

NAME	COLOUR INDEX	PASTE INKS						LIQUID INKS							
		Sheet fed	Heatset	Coldset	Silk screen	Metal deco	UV curing	NC alcohol	NC acetate	Water based	PVB	PA	Pub gravure	Decorative laminates	UV curing
FLEXONYL YELLOW WF 074	P. Y. 74	-	-	-	-	-	-	-	-	■	-	-	-	-	-
FLEXONYL ORANGE WF 131	P. O. 13	-	-	-	-	-	-	-	-	■	-	-	-	-	-
FLEXONYL BLUE WF 153	P. B. 15:3	-	-	-	-	-	-	-	-	■	-	-	-	-	-
FLEXONYL BLACK WF 007	P. Bl. 7	-	-	-	-	-	-	-	-	■	-	-	-	-	-

5 DYES

5.1 SAVINYL DYES

As solvent soluble dyestuffs, Savinyl dyestuffs exhibit very good compatibility with many of the binders commonly used in the printing ink industry. High color strength combined with excellent gloss and transparency make them particularly suitable for use in transparent foil lacquers as well as in flexographic and gravure printing inks.

NAME	COLOUR INDEX	SOLVENT BASED PRINTING INKS
SAVINYL YELLOW RLSN	S. Y. 83	●
SAVINYL ORANGE RLSE	S. O. 62	●
SAVINYL ORANGE RLS	S. O. 41	●
SAVINYL PINK 6BLS	S. R. 127	●
SAVINYL FIRE RED 3GLS	S. R. 124	●
SAVINYL RED 3BLS	S. R. 91	●
SAVINYL DARK VIOLET R	A. V. 66	●
SAVINYL BLUE RS	S. B. 45	●
SAVINYL BLUE GLS	S. B. 44	●
SAVINYL GREEN 2GLS 01	Mixture	●
SAVINYL BROWN GLS	Mixture	●
SAVINYL BLACK RLSN 01	S. Bl. 45	●

6

OVERVIEW BY COLOUR INDEX DATE (GENERIC NAME)

6.1 PIGMENTS AND PIGMENT PREPARATIONS

COLOUR INDEX	PRODUCT NAME	STANDARDIZATION
Pigment Yellow 1	HANSA YELLOW G 02	Air-drying paint
Pigment Yellow 3	HANSA YELLOW 10G 41 GRAN.	Air-drying paint
	HANSA YELLOW 10G	Air-drying paint
Pigment Yellow 12	PERMANENT YELLOW DHG N26	Publication gravure printing
	PERMANENT YELLOW DHG N22	Publication gravure printing
	PERMANENT YELLOW DHG	Offset printing
Pigment Yellow 13	PERMANENT YELLOW P-GRL 07	NC gravure printing
	PERMANENT YELLOW P-GRL 06	NC gravure printing
	PERMANENT YELLOW GR 01	Offset printing
	PERMANENT YELLOW GR	Offset printing
Pigment Yellow 14	PERMANENT YELLOW P-G	NC gravure printing
	PERMANENT YELLOW P-GXL 08	NC gravure printing
Pigment Yellow 17	PERMANENT YELLOW GG 02	NC gravure printing
Pigment Yellow 73	HANSA BRILLIANT YELLOW 4GX	Air-drying paint
Pigment Yellow 74	FLEXONYL YELLOW WF 074	Aqueous flexo printing
	HANSA BRILLIANT YELLOW 5GX 03	NC gravure printing
	HANSA BRILLIANT YELLOW 2GX 70	Air-drying paint
Pigment Yellow 83	FLEXOPRINT YELLOW HR	Aqueous flexo printing
	NOVOPERM YELLOW P-HRE	NC acetate gravure printing
	NOVOPERM YELLOW HR 70	Stoving enamel paint
	NOVOPERM YELLOW HR 04	NC gravure printing
	NOVOPERM YELLOW HR 02	Offset printing
	NOVOPERM YELLOW HR	Stoving enamel paint
	PV FAST YELLOW HR 02	Plasticized PVC
Pigment Yellow 97	NOVOPERM YELLOW FGL	Stoving enamel paint
Pigment Yellow 120	NOVOPERM YELLOW H2G	Stoving enamel paint
Pigment Yellow 126	PERMANENT YELLOW DGR	Offset printing

6

OVERVIEW BY COLOUR INDEX DATE (GENERIC NAME)

6.1 PIGMENTS AND PIGMENT PREPARATIONS

COLOUR INDEX	PRODUCT NAME	STANDARDIZATION
Pigment Yellow 139	NOVOPERM YELLOW P-M3R	NC gravure printing
Pigment Yellow 150	HOSTAPERM YELLOW HN4G	Laminate printing
Pigment Yellow 151	HOSTAPERM YELLOW H4G	Stoving enamel paint
Pigment Yellow 154	HOSTAPERM YELLOW H3G	Stoving enamel paint
Pigment Yellow 155	NOVOPERM YELLOW 5GD 71	Stoving enamel paint
	NOVOPERM YELLOW 4G 01	NC gravure printing
Pigment Yellow 174	PERMANENT YELLOW GRS 80	Offset printing
	PERMANENT YELLOW GRY-E82	Offset printing
Pigment Yellow 175	HOSTAPERM YELLOW H6G	Stoving enamel paint
Pigment Yellow 176	PERMANENT YELLOW GRX 83	Offset printing
Pigment Yellow 180	NOVOPERM YELLOW P-HG	NC gravure printing
	PV FAST YELLOW HG	Plasticized PVC
Pigment Yellow 194	NOVOPERM YELLOW F2G	Stoving enamel paint
Pigment Orange 5	HANSA RED GG	Stoving enamel paint
Pigment Orange 13	FLEXONYL ORANGE WF 131	Aqueous flexo printing
	PERMANENT ORANGE G	Offset printing
Pigment Orange 34	PERMANENT ORANGE RL 70	Stoving enamel paint
Pigment Orange 36	NOVOPERM ORANGE HL	Stoving enamel paint
	NOVOPERM ORANGE HL 70	Stoving enamel paint
Pigment Orange 38	NOVOPERM RED HFG	Offset printing
Pigment Orange 43	HOSTAPERM ORANGE GR	Stoving enamel paint
Pigment Orange 62	NOVOPERM ORANGE H5G 70	Stoving enamel paint
Pigment Orange 64	PV FAST ORANGE H2GL	Plasticized PVC
Pigment Orange 72	PV FAST ORANGE H4GL 01	Plasticized PVC

COLOUR INDEX	PRODUCT NAME	STANDARDIZATION
Pigment Red 2	PERMANENT RED FRR	Offset printing
Pigment Red 3	HANSA RED B	Air-drying paint
	HANSA RED 3B	Air-drying paint
	HANSA SCARLET RNC	Air-drying paint
Pigment Red 4	HANSA RED R	Air-drying paint
Pigment Red 12	PERMANENT BORDEAUX FRR	Air-drying paint
Pigment Red 14	PERMANENT BORDEAUX FGR	Air-drying paint
Pigment Red 48:2	PERMANENT RED LB 01	NC gravure printing
Pigment Red 48:4	NOVOPERM RED BLS 02	Stoving enamel paint
Pigment Red 53:1	PERMANENT LAKE RED LCLL	Offset printing
	PERMANENT LAKE RED LCY	Offset printing
Pigment Red 57:1	PERMANENT RUBINE L5B 01	Offset printing
	PERMANENT RUBINE L4B 01	Offset printing
Pigment Red 112	PERMANENT RED FGR	Air-drying paint
	PERMANENT RED FGR 02	Air-drying paint
	PERMANENT RED FGR 70	Air-drying paint
Pigment Red 122	HOSTAPERM PINK E	Stoving enamel paint
	HOSTAPERM PINK E 02	Offset printing
Pigment Red 146	PERMANENT CARMINE FBB 02	NC gravure printing

6

OVERVIEW BY COLOUR INDEX DATE (GENERIC NAME)

6.1 PIGMENTS AND PIGMENT PREPARATIONS

COLOUR INDEX	PRODUCT NAME	STANDARDIZATION
Pigment Red 168	HOSTAPERM SCARLET G0	Stoving enamel paint
Pigment Red 170	NOVOPERM RED F2RK 70	Stoving enamel paint
	NOVOPERM RED F3RK 70	Stoving enamel paint
	NOVOPERM RED F5RK	Stoving enamel paint
Pigment Red 176	NOVOPERM CARMINE HF3C	Laminate printing
Pigment Red 184	PERMANENT RUBINE F6B	NC gravure printing
Pigment Red 185	NOVOPERM CARMINE HF4C	Offset printing
Pigment Red 187	NOVOPERM RED HF4B	Stoving enamel paint
Pigment Red 188	NOVOPERM RED HF3S	Stoving enamel paint
Pigment Red 208	NOVOPERM RED HF2B 01	Offset printing
Pigment Red 210	PERMANENT RED P-FK	NC gravure printing
Pigment Red 214	PV FAST RED BN	Plasticized PVC
Pigment Red 254	HOSTAPERM RED D3G 70	Stoving enamel paint
	PV FAST RED D3G	Plasticized PVC
Pigment Violet 19	HOSTAPERM RED E2B 70	Stoving enamel paint
	HOSTAPERM RED E3B	Stoving enamel paint
	HOSTAPERM RED E5B 02	Stoving enamel paint
	HOSTAPERM RED VIOLET ER 02	Stoving enamel paint
Pigment Violet 23	HOSTAPERM VIOLET P-RL	NC gravure printing
	HOSTAPERM VIOLET RL 02	Offset printing
	HOSTAPERM VIOLET RL SPEC. 01	Stoving enamel paint
Pigment Violet 32	NOVOPERM BORDEAUX HF3R	NC gravure printing

COLOUR INDEX	PRODUCT NAME	STANDARDIZATION
Pigment Blue 15:1	HOSTAPERM BLUE A2R	Stoving enamel paint
Pigment Blue 15:3	FLEXONYL BLUE WF 153	Aqueous flexo printing
Pigment Green 7	HOSTAPERM GREEN GNX	Offset printing
Pigment Brown 25	HOSTAPERM BROWN HFR 01	Polyester based paint
Pigment Black 7	FLEXONYL BLACK A-CB	Aqueous flexo printing
	FLEXONYL BLACK WF 007	Aqueous flexo printing

6 OVERVIEW BY COLOUR INDEX DATE (GENERIC NAME)

6.2 DYES

COLOUR INDEX	PRODUCT NAME	STANDARDIZATION
Acid Violet 66	SAVINYL DARK VIOLET R	Solution by coloristic measurements
Mixture	SAVINYL GREEN 2GLS 01	Solution by coloristic measurements
Mixture	SAVINYL BROWN GLS	Solution by coloristic measurements
Solvent Yellow 83	SAVINYL YELLOW RLSN	Solution by coloristic measurements
Solvent Orange 41	SAVINYL ORANGE RLS	Solution by coloristic measurements
Solvent Orange 62	SAVINYL ORANGE RLSE	Solution by coloristic measurements
Solvent Red 91	SAVINYL RED 3BLS	Solution by coloristic measurements
Solvent Red 124	SAVINYL FIRE RED 3GLS	Solution by coloristic measurements
Solvent Red 127	SAVINYL PINK 6BLS	Solution by coloristic measurements
Solvent Blue 44	SAVINYL BLUE GLS	Solution by coloristic measurements
Solvent Blue 45	SAVINYL BLUE RS	Solution by coloristic measurements
Solvent Black 45	SAVINYL BLACK RLSN 01	Solution by coloristic measurements



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