

# COLORANTS FOR THE PAINT INDUSTRY

# PIGMENTS, PIGMENT PREPARATIONS AND DYES FROM SUDARSHAN

**Sudarshan supplies pigments and dyes. These ranges, supplemented by pigment preparations, special formulations and special grades, contain a wide variety of products for the paint and surface coatings industry as well as for other special fields.**

On the following pages we give a general overview of our colorants, indicating their possible uses in the main fields of application. Only the standard ranges of the pigments and dyes have been included here.

It is not appropriate to treat the other special grades, preparations and special dyes in the same way because they appear in the brochure as separate ranges with details of their special fields of application.

#### THE SYMBOLS MEAN:

- ☼ = highly recommended & dissolver dispersible
- = highly recommended
- = recommended
- = limited suitability

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

Frequently required physical data of the pigments and additional technical details about the aqueous pigment preparations, such as pigment and solids content as well as type and amount of solvent, are given in the brochure.

Details of coloristic and fastness properties can be taken from the literature quoted and the following pattern cards:

COA 1013 EN  
Pigments - Automotive, decorative and industrial paints

COA 1003 EN  
Pigments for automotive paints

Our sales organizations and our technical service and development department will be pleased to give you further information at any time.

#### NOTES ON DIARYLIDE PIGMENTS

It has been known for some time that thermal degradation may occur when diarylide pigments are processed in polymers at temperatures above 200 °C.

Pigments supplied by Sudarshan with the following Colour Index numbers are such diarylide pigments:

Pigment Yellow 12  
Pigment Yellow 13  
Pigment Yellow 16  
Pigment Yellow 17  
Pigment Yellow 81  
Pigment Yellow 83  
Pigment Orange 13  
Pigment Orange 34

The trade names of all commercial products recommended for the paint industry that are based on the above diarylide pigments can be found in this brochure (pages 28–30).

These products can form traces of aromatic amines at processing temperatures above 200 °C in the presence of polymers (see safety data sheets; further information is also given in ETAD INFORMATION NOTICE No. 2 »Thermal Decomposition of Diarylide Pigments« – September 1990).

# CHARGE CONTROL AGENTS PRODUCT RANGE, DESCRIPTIONS AND PROPERTIES

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# 1 STANDARD RANGES OF PIGMENTS

## 1.1 HOSTAPERM®1 PIGMENTS

The Hostaperm range comprises the pigments which are noted for very high fastness properties. Suitable grades are listed on the basis of excellent light and weathering fastness and satisfactory migration fastness.

### LITERATURE

Pattern card COA 1014 EN  
»Pigments for the Paint Industry - Hostaperm,  
Novoperm, Permanent, Hansa«

PRODUCT NUMBER	HOSTAPERM	COLOUR INDEX	AUTOMOTIVE PAINTS				INDUSTRIAL PAINTS					DECO-RATIVE PAINTS		PHYSICAL DATA				
			OEM paints	Refinish paints	Solvent-based	Water-base coat	Solvent-based	Water-based	Amine-curing epoxy	Coil coating	Powder coatings	Solvent-based	Water-based	Density	Specific surface	Oil absorption	Average size of primary particles	
229419	<b>OXIDE YELLOW BV 01</b>	P.Y. 184	■	■	■	■	■	●	●	■	■	●	●	g/cm <sup>3</sup>	m <sup>2</sup> /g	ml/100g	nm	
270141	<b>OXIDE YELLOW BV 02</b>	P.Y. 184	■	■	■	■	■	●	●	■	■	●	●	6.00	7	18	330	
105095	<b>YELLOW H6G</b>	P.Y. 175	●	●	■	●	■	●	●	●	●	●	●	1.52	28	70	215	
116674	<b>YELLOW H4G</b>	P.Y. 151	●	■	■		■	○		■	●			1.55	23	48	215	
213632	<b>YELLOW H4G 70</b>	P.Y. 151	●	■	■		■	○		■	●			1.57	20	58	278	
104899	<b>YELLOW H3G</b>	P.Y. 154	■	●	■	○	■	○	●		■	■			1.59	19	56	275
271059	<b>YELLOW H3G 02</b>	P.Y. 154	●	●			■	■	■		■	■	■	■	1.59	19	56	275
104963	<b>ORANGE GR</b>	P.O. 43	●	●	●	●	●	●	●	●	●	■			1.58	38	83	190
107272	<b>SCARLET GO</b>	P.R. 168	■	■	■	■	●	●		○	●	■			2.08	33	70	220
210275	<b>RED D3G 70-CN</b>	P.R. 254	●	●		■	■	■	●	●	●	●			1.60	27	55	280
322068	<b>RED D2G 71</b>	P.R. 254	■	■	■	■	■	■	●	●	●	●			1.55	16	51	310
322069	<b>RED D2G 72</b>	P.R. 254	■	■	■	■	■	■	●	●	●	●			1.55	16	51	310
108159	<b>RED P2GL-WD</b>	P.R. 179	■	●		■		●							1.56	-	35	45
105136	<b>RED E2B 70</b>	P.V. 19	■	●	■	○	●	○	●	○					1.46	31	85	220
104947	<b>RED E3B</b>	P.V. 19	●	●	■	■	■	●	●	○	●	●			1.48	41	59	195
104960	<b>RED E5B 02</b>	P.V. 19	●	●	■	■	■	●	●	○	●	●			1.47	90	82	65

■ highly recommended & dissolver dispersible   ■ highly recommended   ● recommended   ○ limited suitability   - not measurable

PRODUCT NUMBER	HOSTAPERM	COLOUR INDEX	AUTOMOTIVE PAINTS				INDUSTRIAL PAINTS					DECO-RATIVE PAINTS		PHYSICAL DATA					
			OEM paints	Refinish paints	Solvent-based	Water-base coat	Solvent-based	Water-based	Amine-curing epoxy	Coil coating	Powder coatings	Solvent-based	Water-based	Density	Specific surface	Oil absorption	Average size of primary particles		
104952	<b>PINK E</b>	P.R. 122	■	■	■	■	■	●	●	○	●	●			1.45	77	65	90	
122089	<b>PINK E-WD</b>	P.R. 122					○	●				■			1.44	76	65	60	
245708	<b>PINK E-WD 01</b>	P.R. 122					●	■	■			●	■			1.45	77	65	90
105009	<b>PINK EB TRANSP.</b>	P.R. 122	■	■	■	○	●	○	●	○					1.47	80	78	55	
104954	<b>RED VIOLET ER 02</b>	P.V. 19	■	■	■	■	■	●	●	○	●	●			1.49	83	68	70	
197163	<b>VIOLET BL 01</b>	P.V. 23	■	■	■	■	■	●	●	●	●	●			1.50	103	70	50	
303120	<b>VIOLET RL SPEC. 01</b>	P.V. 23	■	■	■	■	■	●	●	●	●	●			1.49	80	78	50	
153605	<b>BLUE A4R</b>	P.B. 15:1	●	●	■	■	■	●	●	●	■	●			1.61	65	74	60	
111221	<b>BLUE BT-728-D</b>	P.B. 15:1	■	■	■	■									1.68	86	82	40	
107188	<b>BLUE BT-729-D</b>	P.B. 15:1	■	■	■	■									1.65	74	75	65	
118350	<b>BLUE BT-627-D</b>	P.B. 15:2	■	■	■	■	●	●	●	●					1.55	57	64	60	
225226	<b>BLUE B2G 03</b>	P.B. 15:3	■	■	■	○	■	■	●	■	■	■	■	■	1.61	52	54	95	
118349	<b>BLUE BT-617-D</b>	P.B. 15:4	■	■	■	■	●	●	●	●					1.62	52	67	65	
105775	<b>GREEN GNX</b>	P.G. 7	■	■	■	■	■	●	●	●	●	●			2.05	40	50	50	
240262	<b>GREEN GNX 01</b>	P.G. 7	■	■	■	○	■	■	●	■	■	■	■	■	2.05	40	50	50	
323292	<b>GREEN GNX 02</b>	P.G. 7	■	■	■	■	■	●	●	●	●	●			2.05	40	50	50	
104981	<b>BROWN HFR 01</b>	P.BR. 25	■	■	■	■	●	●	●	○	●				1.52	90	86	80	

■ highly recommended & dissolver dispersible   ■ highly recommended   ● recommended   ○ limited suitability   - not measurable

# 1.2 NOVOPERM® PIGMENTS

Novoperm is the trade name for pigments with above-average fastness properties. These tried and tested products are suitable – depending on the grade – for use in the paint industry when the pigments have to meet special requirements.

## LITERATURE

Pattern card COA 1014 EN  
»Pigments for the Paint Industry - Hostaperm, Novoperm, Permanent, Hansa«

PRODUCT NUMBER	NOVOPERM	COLOUR INDEX	AUTOMOTIVE PAINTS				INDUSTRIAL PAINTS				DECO-RATIVE PAINTS		PHYSICAL DATA				
			OEM paints	Refinish paints	Solvent-based	Water-base coat	Solvent-based	Water-based	Amine-curing epoxy	Coil coating	Powder coatings	Solvent-based	Water-based	Density	Specific surface	Oil absorption	Average size of primary particles
105031	<b>YELLOW FGL</b>	P.Y. 97					●	●	●		○	■	■	g/cm <sup>3</sup>	m <sup>2</sup> /g	ml/100g	nm
107442	<b>YELLOW F2G</b>	P.Y. 194					■	●	●		■	●	●	1.46	19	98	315
187854	<b>YELLOW 5GD 71</b>	P.Y. 155	○	●	■	■	■	●	○	■	●	●		1.44	34	67	205
105067	<b>YELLOW H2G</b>	P.Y. 120		●			■	●	●		■			1.52	30	48	115
105774	<b>YELLOW HR</b>	P.Y. 83					●	●	●		●	●		1.43	27	87	40
116673	<b>YELLOW HR 70</b>	P.Y. 83	○	●	●	●	■	●	●		■	●	●	1.51	21	66	325
233288	<b>YELLOW HR 72</b>	P.Y. 83		●	●		■	⚡	●		■	⚡	●	1.51	21	66	325
105125	<b>YELLOW M2R 70</b>	P.Y. 139	●	●	■	■	■	○	●	○	■			1.75	20	45	220
105064	<b>ORANGE H5G 70</b>	P.O. 62	○	●	●	○	■	●	●		●	●	●	1.52	10	72	745
104984	<b>ORANGE HL</b>	P.O. 36					●	●	●		●	●	●	1.64	31	68	155
104950	<b>ORANGE HL 70</b>	P.O. 36	■	■	■	■	■	●	○	■	●	●		1.62	14	64	395
259606	<b>ORANGE HL 71</b>	P.O. 36	■	■	○	■	■	⚡	●		○	■	⚡	1.62	14	64	395
202382	<b>RED HF3S</b>	P.R. 188					●	●	●		●	■	■	1.47	22	74	145
182673	<b>RED HF3S 70</b>	P.R. 188	●	●	■	○	■	●	●	○	●	●	●	1.49	13	72	255
104971	<b>RED F2RK 70</b>	P.R. 170	●	●	●	●	●	●	●		●			1.40	19	60	315
105528	<b>RED F3RK 70</b>	P.R. 170	○	●		●	■	●	●		■			1.44	19	65	270
216357	<b>RED F5RK</b>	P.R. 170					■	●	●		■			1.40	25	69	215

■⚡ highly recommended & dissolver dispersible    ■ highly recommended    ● recommended    ○ limited suitability    – not measurable

# 1.2.1 NOVOPERM® PIGMENTS

not standardized in paint

PRODUCT NUMBER	NOVOPERM	COLOUR INDEX	AUTOMOTIVE PAINTS				INDUSTRIAL PAINTS				DECO-RATIVE PAINTS		PHYSICAL DATA				
			OEM paints	Refinish paints	Solvent-based	Water-base coat	Solvent-based	Water-based	Amine-curing epoxy	Coil coating	Powder coatings	Solvent-based	Water-based	Density	Specific surface	Oil absorption	Average size of primary particles
187853	<b>YELLOW 4G 01</b>	P.Y. 155					●	●	●	○	●			g/cm <sup>3</sup>	m <sup>2</sup> /g	ml/100g	nm
106582	<b>YELLOW HR 02</b>	P.Y. 83					●	●	●		●			1.45	38	75	115
118380	<b>YELLOW P-M3R</b>	P.Y. 139					●	●		○				1.49	74	79	55
118380	<b>YELLOW P-M3R</b>	P.Y. 139					●	●		○				1.65	60	55	75
107440	<b>RED HFG</b>	P.O. 38								○	●			1.46	67	87	165
104894	<b>CARMINE HF4C</b>	P.R. 185									●			1.48	52	90	165
104892	<b>BORDEAUX HF3R</b>	P.V. 32					●	●	●	○	●			1.48	44	83	170

■ highly recommended    ● recommended    ○ limited suitability    – not measurable

# 1.3 PERMANENT PIGMENTS

This group comprises of pigments that vary in fastness properties. Because of their high tinctorial strength, good gloss and largely good light fastness Permanent pigments are used in industrial and decorative paint systems.

## LITERATURE

Pattern card COA 1014 EN  
 »Pigments for the Paint Industry - Hostaperm, Novoperm, Permanent, Hansa«

PRODUCT NUMBER	PERMANENT	COLOUR INDEX	AUTOMOTIVE PAINTS				INDUSTRIAL PAINTS				DECO-RATIVE PAINTS		PHYSICAL DATA					
			OEM paints	Refinish paints	Solvent-based	Water-base coat	Solvent-based	Water-based	Amine-curing epoxy	Coil coating	Powder coatings	Solvent-based	Water-based	Density	Specific surface	Oil absorption	Average size of primary particles	
182674	<b>ORANGE RL 70</b>	P.O. 34					■	●	○		■				g/cm <sup>3</sup>	m <sup>2</sup> /g	ml/100g	nm
105526	<b>RED FGR</b>	P.R. 112					■	●	○		○	■	●		1.43	30	68	150
107456	<b>RED FGR 02</b>	P.R. 112					■	●	○			■	●		1.49	25	76	200
107456	<b>RED FGR 02</b>	P.R. 112					■	●	○			■	●		1.49	31	82	140
107972	<b>RED FGR 70</b>	P.R. 112					■	●	○		○	■			1.48	11	48	295
104887	<b>BORDEAUX FRR</b>	P.R. 12					○	○	○			■			1.37	25	70	95

■ highly recommended   ● recommended   ○ limited suitability

# 1.3.1 PERMANENT PIGMENTS

not standardized in paint

PRODUCT NUMBER	PERMANENT	COLOUR INDEX	AUTOMOTIVE PAINTS				INDUSTRIAL PAINTS				DECO-RATIVE PAINTS		PHYSICAL DATA									
			OEM paints	Refinish paints	Solvent-based	Water-base coat	Solvent-based	Water-based	Amine-curing epoxy	Coil coating	Powder coatings	Solvent-based	Water-based	Density	Specific surface	Oil absorption	Average size of primary particles					
107472	<b>YELLOW GG 02</b>	P.Y. 17									○	○							g/cm <sup>3</sup>	m <sup>2</sup> /g	ml/100g	nm
240737	<b>YELLOW DHG</b>	P.Y. 12									○	○							1.36	23	114	85
240737	<b>YELLOW DHG</b>	P.Y. 12									○	○							1.39	31	96	100
107474	<b>YELLOW GR 01</b>	P.Y. 13									○	○		○					1.36	47	85	75
240721	<b>LAKE RED LCLL</b>	P.R. 53:1									○								1.80	58	72	115
104896	<b>CARMINE FBB 02</b>	P.R. 146									●	●	●						1.41	32	69	155

■ highly recommended   ● recommended   ○ limited suitability

# 1.4 HANSA® PIGMENTS

The Hansa Yellow pigments are noted for very good light fastness. Use of the Hansa Red grades should be restricted to full-shade colorations. The Hansa pigments do not have adequate fastness to overpainting. They are standard pigments for air-drying paints.

## LITERATURE

Pattern card COA 1014 EN  
»Pigments for the Paint Industry - Hostaperm, Novoperm, Permanent, Hansa«

PRODUCT NUMBER	HANSA	COLOUR INDEX	AUTOMOTIVE PAINTS				INDUSTRIAL PAINTS				DECO-RATIVE PAINTS		PHYSICAL DATA				
			OEM paints	Refinish paints	Solvent-based	Water-base coat	Solvent-based	Water-based	Amine-curing epoxy	Coil coating	Powder coatings	Solvent-based	Water-based	Density	Specific surface	Oil absorption	Average size of primary particles
107257	<b>YELLOW G 02</b>	P.Y. 1					○	○	○			■	●	1.40	25	61	200
104885	<b>YELLOW 10G</b>	P.Y. 3					○	○	○			■	●	1.58	11	59	405
104915	<b>YELLOW 10G 41GRAN.</b>	P.Y. 3					○	○	○			■	●	1.57	12	74	-
159753	<b>BRILLIANT YELLOW 5GX</b>	P.Y. 74					○	○	○			■	●	1.41	34	59	135
104968	<b>BRILLIANT YELLOW 4GX</b>	P.Y. 73					○	○	○			■	●	1.48	21	59	200
104970	<b>BRILLIANT YELLOW 2GX 70</b>	P.Y. 74					○	○	○			■	■	1.43	16	54	340
167583	<b>BRILLIANT YELLOW 2GX 70-S</b>	P.Y. 74					○	○	○			■	■	1.43	16	59	312
271730	<b>BRILLIANT YELLOW 2GX 72-S</b>	P.Y. 74					○	○				○	■	1.39	21	59	312
107255	<b>RED GG</b>	P.O. 5					○	○				■	○	1.55	12	59	285
200064	<b>SCARLET RNC</b>	P.R. 3					●		●			●		1.42	17	74	255
201224	<b>RED 3B</b>	P.R. 3					●		●			●		1.42	9	55	405

■ highly recommended & dissolver dispersible    ■ highly recommended    ● recommended    ○ limited suitability    - not measurable

# 1.5 OTHER PIGMENTS

not standardized in paint

## 1.5.1 PV FAST® PIGMENTS

Highly fast organic pigments with outstanding heat resistance, light fastness and bleeding fastness in various polymers. Because of their very good heat resistance, selected pigments can be used in special paint systems after preliminary trials.

PRODUCT NUMBER	PV FAST	COLOUR INDEX	AUTOMOTIVE PAINTS				INDUSTRIAL PAINTS				DECO-RATIVE PAINTS		PHYSICAL DATA				
			OEM paints	Refinish paints	Solvent-based	Water-base coat	Solvent-based	Water-based	Amine-curing epoxy	Coil coating	Powder coatings	Solvent-based	Water-based	Density	Specific surface	Oil absorption	Average size of primary particles
104918	<b>YELLOW HG</b>	P.Y. 180												1.46	28	98	180
107497	<b>YELLOW HGR</b>	P.Y. 191												1.71	20	79	600
104917	<b>YELLOW H3R</b>	P.Y. 181	○	○	●									1.48	27	118	415
106616	<b>ORANGE H4GL 01</b>	P.O. 72												1.51	39	78	140
104949	<b>RED B</b>	P.R. 149												1.40	56	66	35
104935	<b>BLUE A2R</b>	P.B. 15:1												1.65	70	63	40
106313	<b>BLUE BG</b>	P.B. 15:3												1.62	57	61	95

■ highly recommended    ● recommended    ○ limited suitability

# 1.5.2 GRAPHTOL® PIGMENTS

Graphtol pigments have lower general fastness properties than the PV Fast pigments. Selected pigments can be used for low-cost powder coating formulations after preliminary trials.

PRODUCT NUMBER	GRAPHTOL	COLOUR INDEX	AUTOMOTIVE PAINTS				INDUSTRIAL PAINTS					DECO-RATIVE PAINTS		PHYSICAL DATA			
			OEM paints	Refinish paints	Solvent-based	Water-base coat	Solvent-based	Water-based	Amine-curing epoxy	Coil coating	Powder coatings	Solvent-based	Water-based	Density	Specific surface	Oil absorption	Average size of primary particles
111720	<b>YELLOW H2R</b>	P.Y. 139								○			g/cm <sup>3</sup>	m <sup>2</sup> /g	ml/100g	nm	
107509	<b>RED LC</b>	P.R. 53:1								○			1.66	59	66	75	
239922	<b>FIRE RED 3RLP</b>	P.R. 48:3								○			1.82	42	70	160	
219306	<b>RUBINE L4B</b>	P.R. 57:1								○			1.84	28	60	270	
										○			1.66	68	67	76	

○ limited suitability

# 2 NUMERICAL CODE AND SPECIAL GRADES

2.1

## NUMERICAL CODE FOR ALTERATION OF STANDARDS AND SPECIAL GRADES

In the course of improving or further developing existing pigments/pigment preparations for special fields of application or special processing methods there is a need for modified grades or special grades, which are identified by adding a two-digit number to the pigment name. Each further modification to one and the same pigment is identified by the next consecutive number.

### WE USE THE FOLLOWING SYSTEM:

01-19 Alteration of standards and improvements to individual pigments (e.g. higher tinctorial strength, change in shade etc.).

30-39 Alteration of standards or improvements to pigment preparations with their own range name.

40-49 Pigments with improved dispersibility primarily for air-drying paints.

70-79 Highly opaque pigments with very good flow properties.

2.2

## OPAQUE PIGMENTS FOR LEAD-FREE PIGMENTATIONS

HOSTAPERM OXIDE YELLOW BV 01  
 HOSTAPERM OXIDE YELLOW BV 02  
 HANSA BRILLIANT YELLOW 2GX 70  
 HANSA BRILLIANT YELLOW 2GX 70-S  
 NOVOPERM YELLOW 5GD 71  
 HOSTAPERM YELLOW H4G  
 HOSTAPERM YELLOW H4G 70  
 NOVOPERM YELLOW HR 70  
 NOVOPERM YELLOW M2R 70  
 NOVOPERM ORANGE H5G 70  
 NOVOPERM ORANGE HL 70  
 PERMANENT ORANGE RL 70  
 PERMANENT RED FGR 70  
 NOVOPERM RED HF3S 70  
 HOSTAPERM RED D3G 70-CN  
 HOSTAPERM RED D2G 71  
 HOSTAPERM RED D2G 72  
 NOVOPERM RED F2RK 70  
 NOVOPERM RED F3RK 70  
 HOSTAPERM RED E2B 70

2.3

## TRANSPARENT PIGMENTS FOR EFFECT PAINTS

HOSTAPERM ORANGE GR  
 HOSTAPERM SCARLET 60  
 HOSTAPERM RED P2GL-WD  
 HOSTAPERM RED E5B 02  
 HOSTAPERM PINK E  
 HOSTAPERM PINK EB TRANSP.  
 HOSTAPERM RED VIOLET ER 02  
 HOSTAPERM VIOLET BL 01  
 HOSTAPERM VIOLET RL SPEC. 01  
 HOSTAPERM BLUE BT-728-D  
 HOSTAPERM BLUE BT-729-D  
 HOSTAPERM BLUE BT-627-D  
 HOSTAPERM BLUE A4R  
 HOSTAPERM BLUE BT-617-D  
 HOSTAPERM BLUE B2G 03  
 HOSTAPERM GREEN GNX  
 HOSTAPERM BROWN HFR 01

2.4

## EASILY DISPERSIBLE (ED) PIGMENTS

HOSTAPERM YELLOW H3G 02  
 HANSA BRILLIANT YELLOW 2GX 72-S  
 NOVOPERM YELLOW HR 72  
 NOVOPERM ORANGE HL 71  
 HOSTAPERM PINK E-WD 01  
 HOSTAPERM BLUE B2G 03  
 HOSTAPERM GREEN GNX 01

# 3 PIGMENT PREPARATIONS

## 3.1 COLANYL® 100

Colanyl 100 is a range of aqueous, binder-free pigment preparations that is manufactured without using alkyl phenol ethoxylated (APEO) additives. The main application fields of the Colanyl 100 range are dispersion paints and renderings/plaster based on aqueous polymer dispersions. They are also compatible with other binder systems, e.g. water-based industrial paints, but the maximum dosage

level and compatibility of the binder-free Colanyl 100 has to be checked in the customer paint system itself. By using Colanyl 100 pigment preparations in automatic and/or manual dispensers, excellent accuracy and reliability when poured or pumped have been observed. Furthermore, Colanyl 100 pigment preparations are miscible in all proportions with each other. By adding Colanyl.

Extender MS 531, the color strength of the Colanyl 100 can be adjusted. The data presented in this table is meant to provide a general indication and does not represent quality-relevant average values. The quality of our preparations is defined by the specifications of the coloristical and rheological values. The Colour Index data relate to the basic pigments.

PRODUCT NUMBER	COLANYL	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	DENSITY	PIGMENT	SOLIDS CONTENT	WATER	GLYCOL
				g/cm <sup>3</sup>	%	%	%	%
189173	<b>YELLOW 10G 132</b>	Yellow 3	11710	1.17	35	51	29	20
285168	<b>YELLOW 5GX 131</b>	Yellow 74	11741	1.14	46	54	26	20
304256	<b>YELLOW FGL 133</b>	Yellow 97	11767	1.12	38	52	30	18
288530	<b>YELLOW H3G 131</b>	Yellow 154	11781	1.14	30	40	40	20
211147	<b>YELLOW 2GXD 130</b>	Yellow 74	11741	1.17	48	57	18	25
211158	<b>YELLOW G 132</b>	Yellow 1	11680	1.17	50	56	24	20
292682	<b>YELLOW HR 132</b>	Yellow 83	21108	1.14	35	55	30	15
315089	<b>YELLOW HRD 132</b>	Yellow 83	21108	1.19	50	58	27	15
210058	<b>ORANGE G 131</b>	Orange 13	21110	1.17	40	47	36	17
204952	<b>RED GG 131</b>	Orange 5	12075	1.20	45	56	24	20
211159	<b>RED FRLL 131</b>	Red 9	12460	1.16	48	54	26	20
214915	<b>SCARLET RNX 130</b>	Red 3	12120	1.19	50	59	28	13
328063	<b>SCARLET GO 533</b>	Red 168	59300	1.22	35	51	29	20
187155	<b>RED FGRG 130</b>	Red 112	12370	1.18	47	53	21	26
187202	<b>RED FGR 131</b>	Red 112	12370	1.18	45	53	28	19
104988	<b>RED E3B 130</b>	Violet 19	73900	1.13	32	47	28	25
281268	<b>PINK E 130</b>	Red 122	73915	1.12	20	36	44	20
307786	<b>VIOLET RL 132</b>	Violet 23	51319	1.14	30	45	37	18
222634	<b>BLUE A2R 131</b>	Blue 15:1	74160	1.21	40	51	31	18
204924	<b>BLUE B2G 131</b>	Blue 15:3	74160	1.23	47	54	26	20
118340	<b>GREEN GG 131</b>	Green 7	74260	1.34	50	59	26	15
105141	<b>BLACK PR 130</b>	Black 7	77266	1.18	30	38	37	25
104990	<b>BLACK N 131</b>	Black 7	77266	1.27	42	49	31	20

PRODUCT NUMBER	COLANYL	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	DENSITY	PIGMENT	SOLIDS CONTENT	WATER	GLYCOL
				g/cm <sup>3</sup>	%	%	%	%
107127	<b>OXIDE YELLOW BV 100</b>	Yellow 184	771740	2.18	65	72	18	10
211160	<b>OXIDE YELLOW R 132</b>	Yellow 42	77492	1.98	66	73	9	18
269205	<b>OXIDE RED G 130</b>	Red 101	77491	2.17	65	71	11	18
313602	<b>OXIDE RED B 132</b>	Red 101	77491	2.34	72	77	8	14
107120	<b>OXIDE BLUE COR 100</b>	Blue 28	77346	1.95	60	67	15	18
118342	<b>OXIDE GREEN G 131</b>	Green 17	77288	2.56	75	80	10	10
312758	<b>OXIDE BLACK B 130</b>	Black 11	77499	1.90	50	62	18	20
285066	<b>WHITE R 130</b>	White 6	77891	2.18	70	77	4	19



## 3.2 COLANYL® 500

Colanyl 500 is a range of aqueous, binder-free pigment preparations that is manufactured without using alkyl phenol ethoxylated (APEO) additives. These aqueous pigment preparations are compatible with water-based and VOC-low decorative paints<sup>1</sup>. The main application fields of the Colanyl 500 range are modern dispersion paints and renderings/plaster based on aqueous polymer dispersions.

They are also compatible with other binder systems, e.g. water-based industrial paints, but the maximum dosage level and compatibility of the binder-free Colanyl 500 has to be checked in the customer paint itself. By using Colanyl 500 pigment preparations in automatic and/or manual dispensers, excellent accuracy and reliability when poured or pumped have been observed. Furthermore, Colanyl 500 pigment preparations are miscible in all proportions with each other.

By adding Colanyl Extender MS 531, the color strength of Colanyl 500 can be adjusted. The data presented in this table is meant to provide a general indication and does not represent quality-relevant average values. The quality of our preparations is defined by the specifications of the coloristical and rheological values. The Colour Index data relate to the basic pigments.

### LITERATURE

Pattern card COA 1011 EN  
»Colanyl 500, Hostatint 500 - For decorative paints and coatings«  
Brochure COA 1005 EN  
»Colanyl 500, Hostatint 500 - For decorative paints and coatings«

PRODUCT NUMBER	COLANYL	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	DENSITY	PIGMENT	SOLIDS CONTENT	WATER
				g/cm <sup>3</sup>	%	%	%
311423	<b>YELLOW 5GX 530</b>	Yellow 74	11741	1.14	40	58	42
311424	<b>YELLOW FGL 531</b>	Yellow 97	11767	1.15	38	65	35
311426	<b>YELLOW H3G 530</b>	Yellow 154	11781	1.13	30	47	53
311421	<b>YELLOW 2GXD 530</b>	Yellow 74	11741	1.19	41	61	39
311425	<b>YELLOW G 530</b>	Yellow 1	11680	1.17	45	64	36
311427	<b>YELLOW HRD 530</b>	Yellow 83	21108	1.18	50	69	31
321585	<b>ORANGE H5GD 500</b>	Orange 62	11775	1.17	30	63	37
311416	<b>RED GG 531</b>	Orange 5	12075	1.24	45	67	33
328063	<b>SCARLET GO 533</b>	Red 168	59300	1.24	36	62	38
320374	<b>RED D3GD 532</b>	Red 254	56110	1.24	50	66	34
311417	<b>RED HF3S 530</b>	Red 188	12467	1.16	40	60	40
311415	<b>RED FGRD 530</b>	Red 112	12370	1.17	45	61	39
311414	<b>RED FGR 531</b>	Red 112	12370	1.20	47	70	30
311413	<b>RED E3B 531</b>	Violet 19	73900	1.14	30	59	41
311419	<b>PINK E 532</b>	Red 122	73915	1.08	20	56	44
311429	<b>PINK E-WD 531</b>	Red 122	73915	1.14	32	57	43
311430	<b>VIOLET RL 532</b>	Violet 23	51319	1.12	30	57	43
311394	<b>BLUE A2R 531</b>	Blue 15:1	74160	1.20	40	62	38
311395	<b>BLUE B2G 530</b>	Blue 15:3	74160	1.23	45	61	39
311478	<b>GREEN GG 531</b>	Green 7	74260	1.34	50	71	29
311383	<b>BLACK N 530</b>	Black 7	77266	1.28	43	63	37
311384	<b>BLACK N 511</b>	Black 7	77266	1.25	40	61	39

<sup>1</sup> As defined in EU directive 2004/42/EC Annex II, phase II. Colanyl Blue B2G 530 and Colanyl Violet RL 532 include up to approx. 2200 ppm VOC (Volatile Organic Compounds). All other Colanyl 500 preparations include up to approx. 800 ppm VOC (VOC-test method DIN EN ISO 17895).

VOC standards and regulations vary by location. Product specific VOC information is available to customers upon request. It is the responsibility of the coatings manufacturer to determine standard compliance and appropriate claim for their products.

PRODUCT NUMBER	COLANYL	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	DENSITY	PIGMENT	SOLIDS CONTENT	WATER
				g/cm <sup>3</sup>	%	%	%
311411	<b>OXIDE YELLOW BV 531</b>	Yellow 184	771740	2.22	65	80	20
311412	<b>OXIDE YELLOW R 532</b>	Yellow 42	77492	2.00	64	78	22
311410	<b>OXIDE RED G 531</b>	Red 101	77491	2.16	65	79	21
311409	<b>OXIDE RED B 531</b>	Red 101	77491	2.35	70	83	17
311401	<b>OXIDE BLUE COR 531</b>	Blue 28	77346	1.96	62	79	21
311403	<b>OXIDE GREEN G 531</b>	Green 17	77288	2.59	75	87	13
311399	<b>OXIDE BLACK B 533</b>	Black 11	77499	1.80	53	71	29
316607	<b>OXIDE BLACK IR 531</b>	Green 17	77288	2.38	70	84	16
311420	<b>WHITE R 530</b>	White 6	77891	2.04	65	82	18
311396	<b>EXTENDER MS 531</b>	-	-	1.68	60	78	22

# 3.3 HOSTATINT™ 500

Hostatint 500 is a range of aqueous, binder-free pigment preparations that is manufactured without using alkyl phenol ethoxylated (APEO) additives. These multipurpose pigment preparations are compatible with water-based and solvent-based decorative coatings, especially low VOC decorative coatings<sup>1</sup>. They are also compatible with some other binder systems, e.g. water-based or solvent-based industrial paints, but the maximum dosage level and

compatibility of the binder-free Hostatint 500 has to be checked in the customer paint system itself. By using Hostatint 500 pigment preparations in automatic and/or manual dispensers, excellent accuracy and reliability when poured or pumped have been observed. Furthermore, Hostatint 500 pigment preparations are miscible in all proportions with each other. By adding Hostatint Extender MS 532 or Hostatint Extender CC 532, the color strength of

Hostatint 500 can be adjusted. The data presented in this table is meant to provide a general indication and do not represent quality-relevant average values. The quality of our preparations is defined by the specifications of the coloristical and rheological values. The Colour Index data relate to the basic pigments.

#### LITERATURE

Pattern card COA 1011 EN  
»Colanyl 500, Hostatint 500 - For decorative paints and coatings«  
Brochure COA 1005 EN  
»Colanyl 500, Hostatint 500 - For decorative paints and coatings«

PRODUCT NUMBER	HOSTATINT	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	DENSITY	PIGMENT	SOLIDS CONTENT	WATER
				g/cm <sup>3</sup>	%	%	%
311338	<b>YELLOW 12G 531</b>	Yellow 3	11710	1.18	40	63	37
311351	<b>YELLOW 2GXD 531</b>	Yellow 74	11741	1.15	40	65	35
311335	<b>YELLOW 4GX 531</b>	Yellow 73	11738	1.16	38	63	37
311352	<b>YELLOW FGL 532</b>	Yellow 97	11767	1.14	40	61	39
311332	<b>YELLOW HR 533</b>	Yellow 83	21108	1.09	15	57	43
311337	<b>ORANGE HLD 533</b>	Orange 36	11780	1.13	20	60	40
314412	<b>SCARLET GO 531</b>	Red 168	59300	1.24	35	61	39
-	<b>RED FGR 532</b>	Red 112	12370	1.13	21	51	49
311348	<b>RED D3GD 532</b>	Red 254	56110	1.15	30	61	39
310267	<b>PINK E 532</b>	Red 122	73915	1.10	20	44	56
312443	<b>VIOLET RL 533</b>	Violet 23	51319	1.11	15	48	52
311331	<b>BLUE B2G 531</b>	Blue 15:3	74160	1.14	30	57	43
309386	<b>GREEN GG 531</b>	Green 7	74260	1.18	30	61	39
311437	<b>BLACK GR 532</b>	Black 7	77266	1.13	20	54	46

<sup>1</sup> As defined in EU directive 2004/42/EC Annex II, phase II. VOC standards and regulations vary by location. Product specific VOC information is available to customers upon request. It is the responsibility of the coatings manufacturer to determine standard compliance and appropriate claim for their products.

PRODUCT NUMBER	HOSTATINT	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	DENSITY	PIGMENT	SOLIDS CONTENT	WATER
				g/cm <sup>3</sup>	%	%	%
309992	<b>OXIDE YELLOW BV 531</b>	Yellow 184	771740	2.07	65	85	15
311347	<b>OXIDE YELLOW R 533</b>	Yellow 42	77492	1.87	60	81	19
313197	<b>OXIDE RED B 533</b>	Red 101	77491	2.24	68	85	15
313609	<b>UMBER KT 533</b>	Mix	-	2.03	65	96	4
311340	<b>OXIDE BLUE COR 531</b>	Blue 28	77346	2.05	65	85	15
327995	<b>OXIDE GREEN CO 533</b>	Green 50	77377	2.06	65	89	11
311344	<b>OXIDE GREEN G 532</b>	Green 17	77288	2.16	60	79	21
311329	<b>OXIDE BLACK B 533</b>	Black 26	77537	2.34	70	92	8
311350	<b>WHITE R 531</b>	White 6	77891	2.17	70	89	11
311336	<b>EXTENDER MS 532</b>	-	-	1.59	55	78	22
311333	<b>EXTENDER CC 532</b>	-	-	1.28	30	61	39

## 3.4 HOSTATINT™ A 100

The Hostatint A 100 pastes are solvent-containing pigment preparations based on a carrier resin (aldehyde resin) that was developed specially for industrial paint applications. The pastes are produced within narrow tolerances of shade and color strength allowing highly consistent paint production path with manual and automatic dispensers.

The solvent and additives are carefully selected to avoid hazardous labelling or special storage requirements associated with their flammability. Hostatint A 100 shows good compatibility and can be added in the usual amounts to virtually all types of solvent-based industrial paint systems.

The Colour Index data relate to the basic pigments. The data given in the table may vary slightly because these pigment preparations are standardized in respect to tinctorial strength.

### LITERATURE

Pattern card COA 1008 EN  
 »Hostatint A 100 – Pigment preparations«  
 Flyer COA 1004 EN  
 »Brilliant colors made easy – Hostatint A 100«  
 Flyer COA 1007 EN  
 »Highly transparent pigment preparations for solvent-based paint systems – Hostatint A 100-ST«

PRODUCT NUMBER	HOSTATINT	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	DENSITY	PIGMENT	SOLIDS CONTENT	SOLVENT CONTENT
				g/cm <sup>3</sup>	%	%	%
222428	<b>YELLOW A-H3G 100</b>	Yellow 154	11781	1.23	42	65	35
222429	<b>YELLOW A-F2G 100</b>	Yellow 194	11785	1.19	36	59	41
222430	<b>YELLOW A-HRD 100</b>	Yellow 83	21108	1.16	28	52	48
222440	<b>ORANGE A-HLD 100</b>	Orange 36	11780	1.25	43	60	40
286008	<b>RED A-D3GD 130</b>	Red 254	56110	1.22	33	62	38
183729	<b>PINK A-E 130</b>	Red 122	73915	1.13	19	45	55
285245	<b>RED VIOLET A-ER 130</b>	Violet 19	73900	1.13	19	50	50
222463	<b>VIOLET A-RL 100</b>	Violet 23	51319	1.12	12	40	60
222464	<b>BLUE A-BG 100</b>	Blue 15:3	74160	1.17	24	60	40
285013	<b>GREEN A-GNX 130</b>	Green 7	74260	1.22	23	50	40
221649	<b>BLACK A-N 100</b>	Black 7	77266	1.17	21	55	45

PRODUCT NUMBER	HOSTATINT	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	DENSITY	PIGMENT	SOLIDS CONTENT	SOLVENT CONTENT
				g/cm <sup>3</sup>	%	%	%
222426	<b>OXIDE YELLOW A-BV 100</b>	Yellow 184	771740	2.27	64	80	20
222427	<b>OXIDE YELLOW A-CR 100</b>	Brown 24	77310	2.11	64	82	18
222425	<b>OXIDE YELLOW A-R 100</b>	Yellow 42	77492	1.68	50	68	32
222431	<b>OXIDE RED A-B 100</b>	Red 101	77491	2.06	62	78	22
225570	<b>TRANSOXIDE YELLOW A-2R 100</b>	Yellow 42	77492	1.48	39	66	34
225444	<b>TRANSOXIDE RED A-G 100</b>	Red 101	77491	1.59	40	67	33
222465	<b>WHITE A-R 100</b>	White 6	77891	1.90	59	79	21
279376	<b>YELLOW A-N4G 100-ST</b>	Yellow 150	12764	1.16	15	38	62
289404	<b>RED A-P2Y 100-ST</b>	Red 179	71130	1.15	15	30	70
287516	<b>PINK A-EB 100-ST</b>	Red 122	73915	1.13	7	27	73
290247	<b>BLUE A-BTR 100-ST</b>	Blue 15:1	74160	1.12	7	41	59
275536	<b>BLUE A-BTG 100-ST</b>	Blue 15:4	74160	1.15	15	36	64
323291	<b>GREEN A-GMB 100-ST</b>	Mixture	n. a.	1.15	15	37	63
289518	<b>BLACK A-NB 100-ST</b>	Black 7	77266	1.20	25	45	55
272060	<b>BLACK A-NY 100-ST</b>	Black 7	77266	1.16	15	30	70

## 3.5 HOSTATINT™ UV

Hostatint UV is a range of pigment preparations, which do not contain water or solvents. They are designed to work best in 100% UV systems, but are also suitable for solvent-borne UV systems. Both, the binder and the diluent (HDDA) contained in the preparations, crosslink into the coating film under UV curing conditions.

### LITERATURE

Pattern card COA 1025 EN  
» Colorants for radiation curing - Hostatint UV pigment preparations «

PRODUCT NUMBER	HOSTATINT UV	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	PIGMENT	BINDER
				%	%
279963	<b>YELLOW H3G</b>	Yellow 154	11781	42	24
286005	<b>RED D3GD</b>	Red 254	56110	35	29
290220	<b>RED P2GL</b>	Red 179	71130	22	32
289501	<b>BLUE BG</b>	Blue 15:3	74160	24	25
279962	<b>WHITE R</b>	White 6	77891	62	19
293161	<b>BLACK N 30</b>	Black 7	77266	21	40
289392	<b>OXIDE YELLOW R</b>	Yellow 42	77492	43	20

## 3.6 HOSTATINT™ SA

The Hostatint SA pastes are solvent-containing pigment preparations based on a carrier resin (short oil alkyd resin) that was developed specially for wood coatings applications. The pastes are produced within narrow tolerances of shade, colour strength and with a rheology engineered to allow a highly consistent wood stain or oil production path with manual and automatic dispensers.

The solvent and additives are carefully selected to avoid hazardous labelling or special storage requirements associated with their flammability. Hostatint A 100 shows good compatibility and can be added in the usual amounts to virtually all types of solvent-based wood treatments.

PRODUCT NUMBER	HOSTATINT SA	COLOUR INDEX PIGMENT	COLOUR INDEX NO. <sup>1</sup>	PIGMENT	LIGHT FASTNESS <sup>2</sup>
				%	%
321112	<b>BLACK N</b>	Black 7	77266	30	8
321123	<b>OXIDE YELLOW R</b>	Yellow 42	77492	55	8
321125	<b>TRANSOXIDE YELLOW 2R</b>	Yellow 42	77492	36	8
321124	<b>TRANSOXIDE RED B</b>	Red 101	77491	40	8

<sup>1</sup> of base pigment    <sup>2</sup> 1% in full shade dispersion paint

## 3.7 HOSTAFINE®<sup>1</sup>

Hostafine is a range of aqueous, binder-free pigment preparations based on non-ionic wettig agents and is manufactured without using alkyl phenol ethoxylated (APEO) additives. They are ultra fine pigment preparations with 95% of the pigment particle size below 0.5 µm and with no pigment particle size above 1 µm. These preparations show high tinting strength with high transparency and brilliance.

Viscosity is low and stability against settling and skinning is excellent. Hostafine pigment preparations are especially suitable for water-based transparent wood stains. They can also be used for other applications such as aqueous emulsion paints, glass paints, water-colors, latex and water resistant inks, inks for fiber-tip finliner and roller-tip pens.

A final evaluation in the customer system is necessary. The data presented in this table is meant to provide a general indication and do not represent quality-relevant average values. The quality of our preparations is defined by the specifications of the coloristical and rheological values. The Colour Index data relate to the basic pigments.

### LITERATURE

Flyer COA 1026 EN  
»Precious Wood Made Easy – Hostafine pigment preparations«

PRODUCT NUMBER	HOSTAFINE	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	DENSITY	PIGMENT	GLYCOL
				g/cm <sup>3</sup>	%	%
307808	<b>YELLOW GR 31</b>	Yellow 13	21100	1.13	40	10
307803	<b>YELLOW HR 33</b>	Yellow 83	11741	1.13	32	10
307791	<b>RED HF3S 30</b>	Red 188	12467	1.14	40	10
307796	<b>RED FGR 30</b>	Red 112	12370	1.15	45	10
307792	<b>RED P2GL 30</b>	Red 179	71130	1.12	25	10
307807	<b>RED F5RK 30</b>	Red 170	12475	1.11	35	10
307758	<b>RUBINE F6B 31</b>	Red 184	12467	1.11	40	10
307790	<b>MAGENTA E 30</b>	Red 122	73915	1.09	20	10
307795	<b>VIOLET RL 30</b>	Violet 23	51319	1.12	30	10
307773	<b>BLUE B2G 30</b>	Blue 15:3	74160	1.18	40	10
307759	<b>GREEN GN 30</b>	Green 7	74260	1.28	40	10
307806	<b>BLACK T 31</b>	Black 7	77266	1.18	30	10
219508	<b>BLACK TS 30</b>	Black 7	77266	1.22	33	-

PRODUCT NUMBER	HOSTAFINE	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	DENSITY	PIGMENT	GLYCOL
				g/cm <sup>3</sup>	%	%
311620	<b>TRANSOXIDE YELLOW R 33<sup>1</sup></b>	Yellow 42	77492	1.37	35	-
311619	<b>TRANSOXIDE RED B 33<sup>1</sup></b>	Red 101	77491	1.37	35	-

<sup>1</sup> Hostafine Transoxide Yellow R 33 and Hostafine Transoxide Red B 33 are multipurpose pigment preparations, similar to Hostatint 500, and compatible with water-based and solvent-based low-VOC decorative coatings as defined EU directive 2004/42/EC, annex II, phase II.

VOC standards and regulations vary by location. Product specific VOC information is available to customers upon request. It is the responsibility of the coatings manufacturer to determine standard compliance and appropriate claim for their products.

## 3.8 HOSTANOL® HW 30

Hostanol HW 30 is a range of solid pigment preparations based on polyvinyl butyral as carrier material. It is suitable for use in alcohol containing systems, esters and glycols can be used as additional solvents. Main fields of application are highly transparent solvent-based wood stains and marker inks. Furthermore, they can be used in gravure and flexographic printing inks based on nitrocellulose and for coating aluminum foils.

### LITERATURE

Pattern card COA 1012 EN  
»Hostanol HW 30 – Pigment preparations«

PRODUCT NUMBER	HOSTANOL HW 30	COLOUR INDEX PIGMENT	COLOUR INDEX NO.	PIGMENT	LIGHT FASTNESS	PARTICLE SIZE DISTRIBUTION
						d <sub>50</sub> (nm)
154345	<b>YELLOW HR</b>	Yellow 83	21108	50	6-7	≤ 75
267153	<b>RED F5RK</b>	Red 170	12475	50	6	< 250
154340	<b>BLUE B2G</b>	Blue 15:3	74160	50	8	< 100
154342	<b>BROWN HFR</b>	Brown 25	12510	50	8	≤ 75
154351	<b>BLACK R</b>	Black 7	77266	40	8	≤ 75
107577	<b>WHITE T</b>	White 6	77891	70	8	< 250

## 4 DYES

### 4.1 SAVINYL® DYES

Savinyl powder dyes are solvent soluble metal complex dyes, with excellent solubilities in polar organic solvents like alcohols, ketones and glycol ethers, as well as good overall fastness properties. They are suitable for coloration of writing inks, wood stains, leather finish, flexographic and gravure inks and paints based on polar solvents.

PRODUCT NUMBER	SAVINYL	COLOUR INDEX	AUTOMOTIVE PAINTS				INDUSTRIAL PAINTS				DECORATIVE PAINTS		
			OEM paints	Refinish paints	Solvent-based	Water-base coat	Solvent-based	Water-based	Amine-curing epoxy	Coil coating	Powder coatings	Solvent-based	Water-based
213213	<b>YELLOW 2GLS 01</b>	S.Y. 79					●					○	
103319	<b>YELLOW RLS</b>	S.Y. 83:1					●					○	
103328	<b>YELLOW RLSN</b>	S.Y. 8 3					○*					○	
103324	<b>YELLOW 2RLS</b>	S.Y. 62					●					○	
103327	<b>ORANGE RLS</b>	S.O. 41					●					○	
103321	<b>ORANGE RLSE</b>	S.O. 62					○*					○	
103331	<b>FIRE RED 3GLS</b>	S.R. 124					○*					○	
103337	<b>RED 3BLS</b>	S.R. 91					●					○	
103526	<b>PINK 6BLS</b>	S.R. 127					○*					○	
104390	<b>BLUE RS</b>	S.B. 45					○*					○	
103330	<b>BLUE GLS</b>	S.B. 44					●					○	
115318	<b>GREEN 2GLS 01</b>	Mixture					○*					○	
103322	<b>BROWN GLS</b>	Mixture					●					○	
299479	<b>BLACK RLSN 01</b>	Mixture					●					○	

● recommended    ○ limited suitability    \* limited fastness to overpainting

# 5 OVERVIEW ARRANGED BY COLOUR INDEX DATA (GENERIC NAME)

## 5.1 YELLOW

The following overview lists our pigments, pigment preparations and dyes already published in the Colour Index, arranged by their generic name. If only the generic name but not the C.I. No. is given, the product was published without details of its constitution. We would point out that identical generic names simply indicate identical chemical composition.

The application properties of colorants are however influenced to a greater or lesser extent not only by their chemical composition but also by numerous other factors such as particle size distribution, crystallinity, surface treatment, impurities etc. For this reason products having identical compositions and identical generic names may differ completely in their application properties.

COLOUR INDEX GENERIC NAME	COLOUR INDEX NO.	STANDARD RANGES PIGMENTS	PAGE	STANDARD RANGES PIGMENT PREPARATIONS	PAGE
PIGMENT YELLOW 1	11680	HANSA YELLOW G 02	10	COLANYL YELLOW G 132 COLANYL YELLOW G 530	14 16
PIGMENT YELLOW 3	11710	HANSA YELLOW 10G HANSA YELLOW 10G 41 GRAN.	10 10	COLANYL YELLOW 10G 132 HOSTATINT YELLOW 12G 531	14 18
PIGMENT YELLOW 12	21090	PERMANENT YELLOW DHG	9		
PIGMENT YELLOW 13	21100	PERMANENT YELLOW GR	9	HOSTAFINE YELLOW GR 31	24
PIGMENT YELLOW 17	21105	PERMANENT YELLOW GG 02	9		
PIGMENT YELLOW 42	77492			COLANYL OXIDE YELLOW R 132 COLANYL OXIDE OLIVE GS 130 COLANYL OXIDE YELLOW R 532 HOSTAFINE TRANSOXIDE YELLOW R 33 HOSTATINT OXIDE YELLOW A-R 100 HOSTATINT UV OXIDE YELLOW R HOSTATINT TRANSOXIDE YELLOW A-2R 100 HOSTATINT OXIDE YELLOW R 533	15 15 17 25 21 23 21 19
PIGMENT YELLOW 73	11738	HANSA BRILLIANT YELLOW 4GX	10	HOSTATINT YELLOW 4GX 531	18
PIGMENT YELLOW 74	11741	HANSA BRILLIANT YELLOW 5GX HANSA BRILLIANT YELLOW 2GX 70 HANSA BRILLIANT YELLOW 2GX 70-S HANSA BRILLIANT YELLOW 2GX 72-S	10 10 10 10	COLANYL YELLOW 5GX 131 COLANYL YELLOW 2GXD 130 COLANYL YELLOW 5GX 530 COLANYL YELLOW 2GXD 530 HOSTATINT YELLOW 2GXD 531	14 14 16 16 18

COLOUR INDEX GENERIC NAME	COLOUR INDEX NO.	STANDARD RANGES PIGMENTS	PAGE	STANDARD RANGES PIGMENT PREPARATIONS	PAGE
PIGMENT YELLOW 83	21108	NOVOPERM YELLOW HR NOVOPERM YELLOW HR 02 NOVOPERM YELLOW HR 70 NOVOPERM YELLOW HR 72	6 7 6 6	COLANYL YELLOW HR 132 COLANYL YELLOW HRD 132 COLANYL YELLOW HRD 530 HOSTAFINE YELLOW HR 33 HOSTATINT YELLOW HR 533 HOSTATINT YELLOW A-HRD 100 HOSTANOL HW 30 YELLOW HR	14 14 16 24 18 20 26
PIGMENT YELLOW 97	11767	NOVOPERM YELLOW FGL	6	COLANYL YELLOW FGL 133 COLANYL YELLOW FGL 531 HOSTATINT YELLOW FGL 532	14 16 18
PIGMENT YELLOW 120	11783	NOVOPERM YELLOW H2G	6		
PIGMENT YELLOW 139	56298	GRAPHTOL YELLOW H2R NOVOPERM YELLOW M2R 70 NOVOPERM YELLOW P-M3R	12 6 7		
PIGMENT YELLOW 150	12764			HOSTATINT YELLOW A-N4G 100-ST	21
PIGMENT YELLOW 151	13980	HOSTAPERM YELLOW H4G HOSTAPERM YELLOW H4G 70	4 4		
PIGMENT YELLOW 154	11781	HOSTAPERM YELLOW H3G HOSTAPERM YELLOW H3G 02	4 4	COLANYL YELLOW H3G 131 HOSTATINT YELLOW A-H3G 100 COLANYL YELLOW H3G 530 HOSTATINT UV YELLOW H3G	14 20 16 22
PIGMENT YELLOW 155	200310	NOVOPERM YELLOW 4G 01 NOVOPERM YELLOW 5GD 71	7 6		
PIGMENT YELLOW 175	11784	HOSTAPERM YELLOW H6G	4		
PIGMENT YELLOW 180	21290	PV FAST YELLOW HG	11		
PIGMENT YELLOW 181	11777	PV FAST YELLOW H3R	11		
PIGMENT YELLOW 184	771740	HOSTAPERM OXIDE YELLOW BV 01 HOSTAPERM OXIDE YELLOW BV 02	4 4	COLANYL OXIDE YELLOW BV 100 COLANYL OXIDE YELLOW BV 531 HOSTATINT OXIDE YELLOW BV 531 HOSTATINT OXIDE YELLOW A-BV 100	15 17 19 21
PIGMENT YELLOW 191	18795	PV FAST YELLOW HGR	11		
PIGMENT YELLOW 194	11785	NOVOPERM YELLOW F2G NOVOPERM YELLOW F2G 02	6 6	HOSTATINT YELLOW A-F2G 100	20

## 5.2 ORANGE

COLOUR INDEX GENERIC NAME	COLOUR INDEX NO.	STANDARD RANGES PIGMENTS	PAGE	STANDARD RANGES PIGMENT PREPARATIONS	PAGE
PIGMENT ORANGE 5	12075	HANSA RED GG	10	COLANYL RED GG 131 COLANYL RED GG 531	14 16
PIGMENT ORANGE 13	21110			COLANYL ORANGE G 131	14
PIGMENT ORANGE 34	21115	PERMANENT ORANGE RL 70	8		
PIGMENT ORANGE 36	11780	NOVOPERM ORANGE HL NOVOPERM ORANGE HL 70 NOVOPERM ORANGE HL 71	6 6 6	HOSTATINT ORANGE HLD 533 HOSTATINT ORANGE A-HLD 100	18 20
PIGMENT ORANGE 38	12367	NOVOPERM RED HFG	7		
PIGMENT ORANGE 43	71105	HOSTAPERM ORANGE GR	4		
PIGMENT ORANGE 62	11775	NOVOPERM ORANGE H5G 70	6	COLANYL ORANGE H5GD 500	16
PIGMENT ORANGE 72	-	PV FAST ORANGE H4GL 01	11		

## 5.3 RED

COLOUR INDEX GENERIC NAME	COLOUR INDEX NO.	STANDARD RANGES PIGMENTS	PAGE	STANDARD RANGES PIGMENT PREPARATIONS	PAGE
PIGMENT RED 3	12120	HANSA SCARLET RNC HANSA RED 3B	10 10	COLANYL SCARLET RNX 130	14
PIGMENT RED 9	12460			COLANYL RED FRLL 131	14
PIGMENT RED 12	12385	PERMANENT BORDEAUX FRR	8		
PIGMENT RED 48:3	15865:3	GRAPHTOL FIRE RED 3RLP	12		
PIGMENT RED 53:1	15585:1	GRAPHTOL RED LC PERMANENT LAKE RED LCLL	12 9		

COLOUR INDEX GENERIC NAME	COLOUR INDEX NO.	STANDARD RANGES PIGMENTS	PAGE	STANDARD RANGES PIGMENT PREPARATIONS	PAGE
PIGMENT RED 57:1	15850:1	GRAPHTOL RUBINE L4B	12		
PIGMENT RED 101	77491			COLANYL OXIDE RED B 132 COLANYL OXIDE RED G 130 COLANYL OXIDE RED B 531 COLANYL OXIDE RED G 531 HOSTAFINE TRANSOXIDE RED B 33 HOSTATINT OXIDE RED B 533 HOSTATINT OXIDE RED A-B 100 HOSTATINT TRANSOXIDE RED A-G 100	15 15 17 17 25 19 21 21
PIGMENT RED 112	12370	PERMANENT RED FGR PERMANENT RED FGR 02 PERMANENT RED FGR 70	8 8 8	COLANYL RED FGRG 130 COLANYL RED FGR 131 COLANYL RED FGR 531 COLANYL RED FGRD 530 HOSTAFINE RED FGR 30 HOSTATINT RED FGR 533	14 14 16 16 24 18
PIGMENT RED 122	73915	HOSTAPERM PINK E HOSTAPERM PINK E-WD 01 HOSTAPERM PINK EB TRANSP. HOSTAPERM PINK E-WD	5 5 5 5	COLANYL PINK E 130 COLANYL PINK E 532 COLANYL PINK E-WD 531 HOSTAFINE MAGENTA E 30 HOSTATINT PINK E 532 HOSTATINT PINK A-E 130 HOSTATINT PINK A-EB 100-ST	14 16 16 24 18 20 21
PIGMENT RED 149	71137	PV FAST RED B	11		
PIGMENT RED 168	59300	HOSTAPERM SCARLET G0	4	COLANYL SCARLET G0 131 COLANYL SCARLET G0 533 HOSTATINT SCARLET G0 531	14 16 18
PIGMENT RED 170	12475	NOVOPERM RED F2RK 70 NOVOPERM RED F3RK 70 NOVOPERM RED F5RK	6 6 6	HOSTAFINE RED F5RK 30 HOSTANOL HW 30 RED F5RK	24 26
PIGMENT RED 179	71130	HOSTAPERM RED P2GL-WD	4	HOSTAFINE RED P2GL 30 HOSTATINT RED A-P2Y 100-ST HOSTATINT UV RED P2GL	24 21 22
PIGMENT RED 184	12467			HOSTAFINE RUBINE F6B 31	24
PIGMENT RED 185	12516	NOVOPERM CARMINE HF4C	7		
PIGMENT RED 188	12467	NOVOPERM RED HF3S NOVOPERM RED HF3S 70	6 6	COLANYL RED HF3S 530 HOSTAFINE RED HF3S 30	16 24
PIGMENT RED 208	12514				
PIGMENT RED 254	56110	HOSTAPERM RED D3G 70-CN HOSTAPERM RED D2G 71 HOSTAPERM RED D2G 72	4 4 4	COLANYL RED D3GD 532 HOSTATINT RED D3GD 532 HOSTATINT RED A-D3GD 130 HOSTATINT UV RED D3GD	16 18 20 22



## 5.4 VIOLET

COLOUR INDEX GENERIC NAME	COLOUR INDEX NO.	STANDARD RANGES PIGMENTS	PAGE	STANDARD RANGES PIGMENT PREPARATIONS	PAGE
PIGMENT VIOLET 19	73900	HOSTAPERM RED E2B 70	4	COLANYL-RED E3B 130	14
		HOSTAPERM RED E3B	4	COLANYL RED E3B 531	16
		HOSTAPERM RED E5B 02	4	HOSTATINT RED VIOLET A-ER 130	20
		HOSTAPERM RED VIOLET ER 02	5		
PIGMENT VIOLET 23	51319	HOSTAPERM VIOLET BL 01	5	COLANYL VIOLET RL 132	14
		HOSTAPERM VIOLET RL SPECIAL 01	5	COLANYL VIOLET RL 532	16
				HOSTAFINE VIOLET RL 30	24
				HOSTATINT VIOLET RL 533	18
		HOSTATINT VIOLET A-RL 100	20		
PIGMENT VIOLET 32	12517	NOVOPERM BORDEAUX HF3R	7		

## 5.5 BLUE

COLOUR INDEX GENERIC NAME	COLOUR INDEX NO.	STANDARD RANGES PIGMENTS	PAGE	STANDARD RANGES PIGMENT PREPARATIONS	PAGE
PIGMENT BLUE 15:1	74160	HOSTAPERM BLUE A4R	5	COLANYL BLUE A2R 131	14
		HOSTAPERM BLUE BT-728-D	5	COLANYL BLUE A2R 531	16
		HOSTAPERM BLUE BT-729-D	5	HOSTATINT BLUE A-BTR 100-ST	21
		PV FAST BLUE A2R	11		
PIGMENT BLUE 15:2	74160	HOSTAPERM BLUE BT-627-D	5		
PIGMENT BLUE 15:3	74160	HOSTAPERM BLUE B2G 03	5	COLANYL BLUE B2G 131	14
		PV FAST BLUE BG	11	COLANYL BLUE B2G 530	16
				HOSTAFINE BLUE B2G 30	24
				HOSTATINT BLUE B2G 531	18
				HOSTATINT BLUE A-BG 100	20
				HOSTATINT UV BLUE BG	22
				HOSTANOL HW 30 BLUE B2G	26
PIGMENT BLUE 15:4	74160	HOSTAPERM BLUE BT-617-D	5	HOSTATINT BLUE A-BTG 100-ST	21
PIGMENT BLUE 28	77346			COLANYL OXIDE BLUE COR 100	15
				COLANYL OXIDE BLUE COR 531	17
				HOSTATINT OXIDE BLUE COR 531	19

## 5.6 GREEN

COLOUR INDEX GENERIC NAME	COLOUR INDEX NO.	STANDARD RANGES PIGMENTS	PAGE	STANDARD RANGES PIGMENT PREPARATIONS	PAGE
PIGMENT GREEN 7	74260	HOSTAPERM GREEN GNX	5	COLANYL GREEN GG 131	14
		HOSTAPERM GREEN GNX 01	5	COLANYL GREEN GG 531	16
		HOSTAPERM GREEN GNX 02	5	HOSTAFINE GREEN GN 30	24
				HOSTATINT GREEN GG 531	18
		HOSTATINT GREEN A-GNX 130	20		
PIGMENT GREEN 17	77288			COLANYL OXIDE GREEN G 131	15
				COLANYL OXIDE GREEN G 531	17
				HOSTATINT OXIDE GREEN G 532	19
				COLANYL OXIDE BLACK IR 531	17
PIGMENT GREEN 50	77377			HOSTATINT OXIDE GREEN CO 533	19

## 5.7 OTHERS

COLOUR INDEX GENERIC NAME	COLOUR INDEX NO.	STANDARD RANGES PIGMENTS	PAGE	STANDARD RANGES PIGMENT PREPARATIONS	PAGE
PIGMENT BROWN 24	77310			HOSTATINT OXIDE YELLOW A-CR 100	21
PIGMENT BROWN 25	12510	HOSTAPERM BROWN HFR 01	5	HOSTANOL HW 30 BROWN HFR	26
PIGMENT BLACK 7	77266			COLANYL BLACK PR 130	14
				COLANYL BLACK N 131	14
				COLANYL BLACK N 530	16
				COLANYL BLACK N 511	16
				HOSTAFINE BLACK T 31	24
				HOSTAFINE BLACK TS 30	24
				HOSTATINT BLACK GR 532	18
				HOSTATINT BLACK A-N 100	20
				HOSTATINT BLACK A-NB 100-ST	21
				HOSTATINT BLACK A-NY 100-ST	21
				HOSTATINT UV BLACK N 30	23
				HOSTANOL HW 30 BLACK R	26
PIGMENT BLACK 11	77499			COLANYL OXIDE OLIVE GS 130	15
				COLANYL OXIDE BLACK B 130	15
				COLANYL OXIDE BLACK B 533	17
PIGMENT BLACK 26	77537			HOSTATINT OXIDE BLACK B 533	19
PIGMENT WHITE 6	77891			COLANYL WHITE R 130	15
				COLANYL WHITE R 530	17
				HOSTATINT WHITE R 531	19
				HOSTATINT WHITE A-R 100	21
				HOSTATINT UV WHITE R	23
				HOSTANOL HW 30 WHITE T	26

## 5.8 DYES

COLOUR INDEX GENERIC NAME	COLOUR INDEX NO.	STANDARD RANGES DYES	PAGE
SOLVENT YELLOW 62	-	SAVINYL YELLOW 2RLS	27
SOLVENT YELLOW 79	-	SAVINYL YELLOW 2GLS 01	27
SOLVENT YELLOW 83	-	SAVINYL YELLOW RLSN	27
SOLVENT YELLOW 83:1	-	SAVINYL YELLOW RLS	27
SOLVENT ORANGE 41	-	SAVINYL ORANGE RLS	27
SOLVENT ORANGE 62	12714	SAVINYL ORANGE RLSE	27
SOLVENT RED 91	-	SAVINYL RED 3BLS	27
SOLVENT RED 124	-	SAVINYL FIRE RED 3GLS	27
SOLVENT RED 127	-	SAVINYL PINK 6BLS	27
SOLVENT BLUE 44	-	SAVINYL BLUE GLS	27
SOLVENT BLUE 45	-	SAVINYL BLUE RS	27

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