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## A – Product catalog

This brochure lists all standard products of the global product portfolios for the industries mentioned above. For information on properties and fastnesses, please refer to our Technical Information bulletins and shade cards. Our sales and application technology staffs will be glad to answer your questions, too.

Further, you can download Technical Information bulletins, Data sheets on product safety, material safety data sheets and many other documents from the Internet: [www.basf.com/pigments](http://www.basf.com/pigments), [www.basf.com/resins](http://www.basf.com/resins), [www.basf.com/lightstabilizers](http://www.basf.com/lightstabilizers).

This document is divided into four segments:

- A – product catalog
- B – list of colorants by Colour Index
- C – products for food-contact applications and toys
- D – list of article numbers and sales codes

The printed and bound brochure is supplied as complete edition, listing products for all industries. For download, it is segmented by industries. The bound brochure is published about every 18 months, the download versions are updated every two or three months.

Since the products listed are manufactured on an industrial scale, traces of impurities cannot be ruled out entirely. Therefore, we do not recommend any of these products for use in cosmetics, pharmaceuticals or foodstuffs, nor do we recommend them for medical equipment and articles that come into contact with internal organs or body fluids. Part C lists products approved for food-contact applications and toys. Special regulations of the European Pharmacopoeia apply to plastic packaging for pharmaceuticals.

Please note the advice and information supplied in our safety data sheets and observe the precautionary and workplace hygiene measures adequate for handling chemicals. Safety data sheets are available from our sales staff or from the Internet: [www.basf.com/pigments](http://www.basf.com/pigments), [www.basf.com/resins](http://www.basf.com/resins), [www.basf.com/lightstabilizers](http://www.basf.com/lightstabilizers).

The data contained in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the products for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the products. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

The information provided in this brochure is current as of the press date (see top left).

A – Product catalog













**Heliogen® pigments for coatings**

copper phthalocyanine blue and green pigments (exception: Heliogen® Blue L 7460 is metal-free); made and tested for coatings applications


Letters following the numerical code denote special properties: "D" stands for "easily dispersible" and "F" for "resistant to flocculation".

Products are distinguished by hue, color strength, chroma, transparency, dispersibility, flow properties and resistance to flocculation and bronzing.

**Available literature**

Title	Item number		Type
Heliogen® – die Kupferphthalocyaninpigmente der BASF	EFO 9906 D		Brochure
Heliogen® – the copper phthalocyanine pigments of BASF	EFO 9906 E		Brochure
BASF pigments for mixing systems – The response to highest demands! (decorative paints)	EVP 0303 E	 	Brochure
BASF pigments for mixing systems – The response to highest demands! (industrial paints)	EVP 0704 E		Brochure
Pigments and pigment preparations for wood glazes	FK/P 548 DE		Pocket shade card
Heliogen® pigments for paints	TI/P 3126 DE		Technical Information bulletin
Pigments for epoxy finishes	TI/P 3127 DE		Technical Information bulletin
Pigments for coil coating	TI/P 3262 2001 DE		Technical Information bulletin
Colorants for powder coatings	TI/P 3309 DE		Technical Information bulletin
Dissolver dispersing of pigments	TI/P 3311 DE	 	Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

 please download from [www.basf.com/pigments](http://www.basf.com/pigments), [www.basf.com/resins](http://www.basf.com/resins) or [www.basf.de/lightstabilizers](http://www.basf.de/lightstabilizers)

 please contact our sales staff or request by mail from [service.evp@basf-ag.de](mailto:service.evp@basf-ag.de)

Product	Colour Index	chemical nature
Heliogen® Blue L 6700 F	Pigment Blue 15:6 / 74 160	Cu phthalocyanine, epsilon
Heliogen® Blue L 6870	Pigment Blue 15:2 / 74 160	Cu phthalocyanine, alpha stable
Heliogen® Blue L 6875 F	Pigment Blue 15:2 / 74 160	Cu phthalocyanine, alpha stable
Heliogen® Blue L 6900	Pigment Blue 15:1 / 74 160	Cu phthalocyanine, alpha stable
Heliogen® Blue L 6901 F	Pigment Blue 15:2 / 74 160	Cu phthalocyanine, alpha stable
Heliogen® Blue L 6905 F	Pigment Blue 15:2 / 74 160	Cu phthalocyanine, alpha stable
Heliogen® Blue L 6920	Pigment Blue 15:1 / 74 160	Cu phthalocyanine, alpha stable
Heliogen® Blue L 6930	Pigment Blue 15:1 / 74 160	Cu phthalocyanine, alpha stable
Heliogen® Blue L 6975 F	Pigment Blue 15:2 / 74 160	Cu phthalocyanine, alpha stable

## A – Product catalog

<b>Product</b>	<b>Colour Index</b>	<b>chemical nature</b>
Heliogen® Blue L 6989 F	Pigment Blue 15:2 / 74 160	Cu phthalocyanine, alpha stable
Heliogen® Blue L 6990 F	Pigment Blue 15:2 / 74 160	Cu phthalocyanine, alpha stable
Heliogen® Blue L 7072 D	Pigment Blue 15:3 / 74 160	Cu phthalocyanine, beta
Heliogen® Blue L 7080	Pigment Blue 15:3 / 74 160	Cu phthalocyanine, beta
Heliogen® Blue L 7081 D	Pigment Blue 15:3 / 74 160	Cu phthalocyanine, beta
Heliogen® Blue L 7085	Pigment Blue 15:3 / 74 160	Cu phthalocyanine, beta
Heliogen® Blue L 7101 F	Pigment Blue 15:4 / 74 160	Cu phthalocyanine, beta
Heliogen® Blue L 7460	Pigment Blue 16 / 74 100	phthalocyanine, alpha
Heliogen® Green L 8605	Pigment Green 7 / 74 260	Cu phthalocyanine, chlorinated
Heliogen® Green L 8690	Pigment Green 7 / 74 260	Cu phthalocyanine, chlorinated
Heliogen® Green L 8730	Pigment Green 7 / 74 260	Cu phthalocyanine, chlorinated
Heliogen® Green L 8731	Pigment Green 7 / 74 260	Cu phthalocyanine, chlorinated
Heliogen® Green L 8735	Pigment Green 7 / 74 260	Cu phthalocyanine, chlorinated
Heliogen® Green L 9361	Pigment Green 36 / 74 265	Cu phthalocyanine, halogenated

A – Product catalog

### Paliocrom® effect pigments for coatings

lamellar effect pigments of various chemical structures; made and tested for coatings applications

fields of application: effect coatings for vehicles, industry and construction. Paliocrom® Copper L 3000, Copper L 3011, Copper L 3101, Blue Silver L 6000 and Blue Silver L 6001 are also suitable for powder coatings.

Paliocrom® Gold L 2000, L 2020 and Orange L 2800 are supplied as 65 % pastes in white spirit. Special characteristics are high chroma, very good hiding power and high cost effectiveness. Combinations with other chromatic pigments open up styling possibilities across the whole color spectrum. Attractive effect coatings can be formulated, especially in the yellow-orange-red-brown range, which were previously impossible due to poor hiding power.

Paliocrom® Gold L 2000, Gold L 2020 and Orange L 2800 were developed for solvent-based systems and are not suitable for aqueous systems unless stabilized further by the user.

Paliocrom® Copper L 3011 is a development of Paliocrom® Copper L 3000 with improved dispersibility, less tendency to settle out and greater distinctness of image.

With an additional surface treatment, Paliocrom® Copper L 3011 can also be used in particularly problematic aqueous systems. The same applies to Paliocrom® Copper L 3101, a bluish variant of Paliocrom® Copper L 3011 with improved dispersing properties and a more pronounced "sparkle effect".

Paliocrom® Blue Silver L 6000 has a neutral (no-color) light-dark flop and good hiding power. Combinations with transparent chromatic pigments give clear, cool shades without the milky-light flop of conventional pearlescent pigments.

With an additional surface treatment, Paliocrom® Blue Silver L 6001 can also be applied in particularly problematic binder systems.

### Available literature

Title	Item number	Type
Colorants for powder coatings	TI/P 3309 DE	Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

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Product	chemical nature
Paliocrom® Gold L 2000	iron-oxide-coated aluminum
Paliocrom® Gold L 2020	iron-oxide-coated aluminum, fine
Paliocrom® Orange L 2800	iron-oxide-coated aluminum
Paliocrom® Copper L 3000	Al-Mn-doped iron oxide
Paliocrom® Copper L 3011	Al-Mn-doped iron oxide
Paliocrom® Copper L 3101	Al-Mn-doped iron oxide
Paliocrom® Blue Silver L 6000	TiO <sub>2</sub> -coated mica
Paliocrom® Blue Silver L 6001	TiO <sub>2</sub> -coated mica

A – Product catalog

### **Sicolux® effect pigments for coatings**

lamellar effect pigments; made and tested for coatings applications

fields of application: roof and wall coatings in the construction industry, e. g., roof coatings for renovations, original coatings for concrete roof tiles and fiber-cement board, emulsion paints for walls

In full shades as well as in combinations with aqueous Luconyl® preparations, Sicolux® effect pigments yield innovative and extremely decorative shades and effects. Regarding gloss retention of the binder and protection against UV radiation they are superior to traditional pigments such as iron oxides.

<b>Product</b>	<b>chemical nature</b>
Sicolux® Copper Gloss L 3015	flaked iron oxide
Sicolux® Metal Gloss L 6015	TiO <sub>2</sub> -coated mica

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### Variocrom® Color Variable Pigments™ for coatings

multiple-coated lamellar pigments of various compositions; made and tested for coatings applications


Variocrom® effect pigments exhibit attractive, angle-dependent color plays, the range of which can be extended indefinitely through combination with traditional chromatic pigments.

fields of application: metallic coatings for cars, bicycles and motorcycles, powder and coil coatings. Variocrom® pigments have better hiding power than mica-based effect pigments.

#### Available literature

Title	Item number	Type
Colorants for powder coatings	TI/P 3309 DE	 Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

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 please contact our sales staff or request by mail from [service.evp@basf-ag.de](mailto:service.evp@basf-ag.de)

Product	chemical nature
Variocrom® Magic Gold L 1400	aluminum pigment, coated with silicon dioxide and iron[III] oxide
Variocrom® Magic Red L 4420	aluminum pigment, coated with silicon dioxide and iron[III] oxide
Variocrom® Magic Purple L 5520	lamellar iron oxide/silicon dioxide/iron[III] oxid

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## Paliogen® pigments for coatings










organic pigments of various chemical compositions with a high standard of fastness; made and tested for coatings applications

The suffix "HD" denotes ease of dispersion and good hiding power.


Paliogen® Rot L 3875 is a very brilliant, transparent perylene red for application in both solvent- and water-based coatings systems. Its flow properties are better than those of other perylene red pigments, allowing it to be used for high-solids coatings as well.

Paliogen® Blue L 6495 F is characterized by high color strength and purity of shade in both aqueous and solvent-based coating systems. Its hue is pronouncedly more reddish and flow properties are better compared with the familiar indanthrone blue pigments.

## Available literature

Title	Item number	Type
Paliogen® Pigmente – Perylen- und Indanthron-Pigmente der BASF	EVP 2502 D	  Brochure
Paliogen® pigments – the perylene and indanthrone pigments of BASF	EVP 2502 E	  Brochure
Pigments for epoxy finishes	TI/P 3127 DE	 Technical Information bulletin
Paliogen® Pigments For Coatings	TI/P 3192 2001 DE	 Technical Information bulletin
Pigments for coil coating	TI/P 3262 2001 DE	 Technical Information bulletin
Pigments for UV-curing coatings	TI/P 3299 DE	 Technical Information bulletin
Colorants for powder coatings	TI/P 3309 DE	 Technical Information bulletin

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Product	Colour Index	chemical nature
Paliogen® Black L 0086	Pigment Black 32 / 71 133	perylene
Paliogen® Red L 3875	Pigment Red 179 / 71 130	perylene
Paliogen® Red L 3880 HD	Pigment Red 178 / 71 155	perylene
Paliogen® Red L 3885	Pigment Red 179 / 71 130	perylene
Paliogen® Red L 3910 HD	Pigment Red 178 / 71 155	perylene
Paliogen® Maroon L 3920	Pigment Red 179 / 71 130	perylene
Paliogen® Maroon L 3980	Pigment Red 179 / 71 130	perylene
Paliogen® Red L 4120	Pigment Red 179 / 71 130	perylene
Paliogen® Blue L 6385	Pigment Blue 60 / 69 800	indanthrone blue
Paliogen® Blue L 6470	Pigment Blue 60 / 69 800	indanthrone blue
Paliogen® Blue L 6480	Pigment Blue 60 / 69 800	indanthrone blue
Paliogen® Blue L 6482	Pigment Blue 60 / 69 800	indanthrone blue
Paliogen® Blue L 6495 F	Pigment Blue 60 / 69 800	indanthrone blue

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**Paliotol® pigments for coatings**

organic pigments of various chemical compositions with good to very good fastness properties in many applications; made and tested for coatings applications

The suffix "HD" denotes ease of dispersion and good hiding power.

**Available literature**

Title	Item number		Type
Paliotol® Gelb Pigmente	EFO 0501 D		Brochure
Paliotol® yellow pigments	EFO 0501 E		Brochure
BASF pigments for mixing systems – The response to highest demands! (decorative paints)	EVP 0303 E		Brochure
BASF pigments for mixing systems – The response to highest demands! (industrial paints)	EVP 0704 E		Brochure
Ein Gelbfarbton in Pulverlack	EVP 2503 D		Brochure
Pigments for epoxy finishes	TI/P 3127 DE		Technical Information bulletin
Paliotol® pigments for coatings	TI/P 3193 DE		Technical Information bulletin
Pigments for coil coating	TI/P 3262 2001 DE		Technical Information bulletin
Pigments for UV-curing coatings	TI/P 3299 DE		Technical Information bulletin
Colorants for powder coatings	TI/P 3309 DE		Technical Information bulletin

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please contact our sales staff or request by mail from [service.evp@basf-ag.de](mailto:service.evp@basf-ag.de)

Product	Colour Index	chemical nature
Paliotol® Black L 0080	Pigment Black 1 / 50 440	aniline black
Paliotol® Yellow L 0960 HD	Pigment Yellow 138 / 56 300	quinophthalone
Paliotol® Yellow L 0962 HD	Pigment Yellow 138 / 56 300	quinophthalone
Paliotol® Yellow L 1155	Pigment Yellow 185 / 56 290	isoindoline
Paliotol® Yellow L 1772	Pigment Yellow 153 / 48 545	nickel complex
Paliotol® Yellow L 1820	Pigment Yellow 139 / 56 298	isoindoline
Paliotol® Yellow L 1970	Pigment Yellow 139 / 56 298	isoindoline
Paliotol® Yellow L 2140 HD	Pigment Yellow 139 / 56 298	isoindoline
Paliotol® Orange L 2930 HD	Pigment Orange 67 / 12 915	pyrazolochinazolone

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### Sico® pigments for coatings

economical organic pigments with a moderate standard of fastness; made and tested for coatings applications


Sico® grades with the prefix "Fast" in the name have greater fastness to solvents and overspraying than other pigments in the range.

standard packaging: paper bag, 25–30 kg (depending on product)

### Available literature

Title	Item number	Type
BASF pigments for mixing systems – The response to highest demands! (decorative paints)	EVP 0303 E	  Brochure
BASF pigments for mixing systems – The response to highest demands! (industrial paints)	EVP 0704 E	 Brochure
Ein Gelbfarbton in Pulverlack	EVP 2503 D	 Brochure
Pigments for epoxy finishes	TI/P 3127 DE	 Technical Information bulletin
Sico® and Lithol® pigments	TI/P 3189 DE	 Technical Information bulletin
Pigments for UV-curing coatings	TI/P 3299 DE	 Technical Information bulletin

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 please contact our sales staff or request by mail from [service.evp@basf-ag.de](mailto:service.evp@basf-ag.de)

Product	Colour Index	chemical nature
Sico® Yellow FR 1252	Pigment Yellow 74 / 11 741	arylide yellow
Sico® Red L 3750	Pigment Red 3 / 12 120	toluidine red
Sico® Fast Red L 3855	Pigment Red 112 / 12 370	Naphthol AS red
Sico® Fast Scarlet L 4252	Pigment Red 170 / 12 475	Naphthol AS red

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### Lithol® pigments for coatings

organic azo lakes, many of which have very good fastness properties; made and tested for coatings applications

Because of their better fastness to light and weathering, mostly manganese lakes are used.

standard packaging: paper bag, 30 kg

### Available literature

Title	Item number		Type
BASF pigments for mixing systems – The response to highest demands! (industrial paints)	EVP 0704 E	📄	Brochure
Pigments for epoxy finishes	TI/P 3127 DE	📄	Technical Information bulletin
Sico® and Lithol® pigments	TI/P 3189 DE	📄	Technical Information bulletin

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Product	Colour Index	chemical nature
Lithol® Fast Scarlet L 4300	Pigment Red 48:4 / 15 865:4	BON red 2B, Mn lake
Lithol® Bordeaux L 4761	Pigment Red 63:1 / 15 880:1	BON bordeaux, Ca lake
Lithol® Fast Maroon L 4763	Pigment Red 52:2 / 15 860:2	BON maroon, Mn lake

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**Sicomin® pigments for coatings**

chrome yellow and molybdate orange pigments; made and tested for coatings applications

XX22 series: medium fastness properties but high chroma

XX25 series: highly stabilized, they meet the most stringent requirements for fastness to light and weathering; field of application: high-quality industrial and automotive finishes

XX30 S series: not only extremely fast to light and weathering but also resistant to aggressive industrial gases and dilute mineral acids

XX35 S series: maximum fastness to light and weathering and resistant to industrial gases and dilute mineral acids; particularly low content of lead compounds soluble in hydrochloric acid

Type U: low content of lead compounds soluble in hydrochloric acid; economic alternative to the XX35 S series with somewhat lower fastness properties, application properties compare to those of the corresponding standard grades.

**Available literature**

Title	Item number		Type
Sicomin® pigments	FK/P 541 DE	📄	Pocket shade card
Pigments for epoxy finishes	TI/P 3127 DE	📄	Technical Information bulletin
Sicomin® pigments for paints	TI/P 3128 DE	📄	Technical Information bulletin
Pigments for coil coating	TI/P 3262 2001 DE	📄	Technical Information bulletin
Colorants for powder coatings	TI/P 3309 DE	📄	Technical Information bulletin

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Product	Colour Index	chemical nature
Sicomin® Yellow L 1425	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1522	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1622	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1622 Typ U	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1625	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1630 S	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1635 S	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1835 S	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1922	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1922 Typ U	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1925	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 1930 S	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Yellow L 2135 S	Pigment Yellow 34 / 77 603	lead chromate
Sicomin® Red L 2922	Pigment Red 104 / 77 605	lead chromate/lead molybdate
Sicomin® Red L 3025	Pigment Red 104 / 77 605	lead chromate/lead molybdate
Sicomin® Red L 3025 Typ U	Pigment Red 104 / 77 605	lead chromate/lead molybdate
Sicomin® Red L 3030 S	Pigment Red 104 / 77 605	lead chromate/lead molybdate

## A – Product catalog

<b>Product</b>	<b>Colour Index</b>	<b>chemical nature</b>
Sicomín® Red L 3035 S	Pigment Red 104 / 77 605	lead chromate/lead molybdate
Sicomín® Red L 3125	Pigment Red 104 / 77 605	lead chromate/lead molybdate
Sicomín® Red L 3125 Typ U	Pigment Red 104 / 77 605	lead chromate/lead molybdate
Sicomín® Red L 3130 S	Pigment Red 104 / 77 605	lead chromate/lead molybdate
Sicomín® Red L 3135 S	Pigment Red 104 / 77 605	lead chromate/lead molybdate
Sicomín® Red L 3230 S	Pigment Red 104 / 77 605	lead chromate/lead molybdate
Sicomín® Red L 3330 S	Pigment Red 104 / 77 605	lead chromate/lead molybdate

A – Product catalog

### Sicopal® pigments for coatings

inorganic bismuth vanadate pigments; made and tested for coatings applications

lead- and chromate-free inorganic yellow pigments for brilliant yellow, orange, red and green shades with good gloss and hiding power; extremely suitable for automotive finishes (OEM and refinish) and for high-grade industrial paints; optimum fastness to weathering both in pure shade and when highly reduced with white

#### Available literature

Title	Item number	Type
BASF pigments for mixing systems – The response to highest demands! (decorative paints)	EVP 0303 E	Brochure
Sicopal® Gelb – die Bismutvanadatpigmente der BASF	EVP 2203 D	Brochure
Sicopal® Yellow – the bismuth vanadate pigments of BASF	EVP 2203 E	Brochure
Ein Gelbfarbton in Pulverlack	EVP 2503 D	Brochure
Pigments for epoxy finishes	TI/P 3127 DE	Technical Information bulletin
Pigments for coil coating	TI/P 3262 2001 DE	Technical Information bulletin
Pigments for UV-curing coatings	TI/P 3299 DE	Technical Information bulletin
Colorants for powder coatings	TI/P 3309 DE	Technical Information bulletin
Sicopal® pigments for coatings	TI/P 3374 DE	Technical Information bulletin

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Product	Colour Index	chemical nature
Sicopal® Yellow L 1100	Pigment Yellow 184 / 771740	bismuth vanadate
Sicopal® Yellow L 1110	Pigment Yellow 184 / 771740	bismuth vanadate
Sicopal® Yellow L 1120	Pigment Yellow 184 / 771740	bismuth vanadate
Sicopal® Yellow L 1600	Pigment Yellow 184 / 771740	bismuth vanadate

A – Product catalog

### Paliotan® pigments for coatings

combinations of high-grade organic and inorganic pigments, developed with the aim of improving the technical profiles of the individual pigments through synergy effects; made and tested for coatings applications

fields of application: high-grade industrial paints such as coil and powder coating as well as vehicle coatings for buses and large-capacity vehicles; the high color strength and good hiding power of Paliotan® Yellow L 1145 make it particularly suitable for use in mixing systems.

#### Available literature

Title	Item number	Type
BASF pigments for mixing systems – The response to highest demands! (industrial paints)	EVP 0704 E	📄 ⓘ Brochure
Paliotan® yellow – A yellow that hides black every time!	EVP 0803 E	📄 ⓘ Brochure
Sicopal® Gelb – die Bismutvanadatpigmente der BASF	EVP 2203 D	📄 ⓘ Brochure
Sicopal® Yellow – the bismuth vanadate pigments of BASF	EVP 2203 E	📄 ⓘ Brochure
Ein Gelbfarbton in Pulverlack	EVP 2503 D	📄 ⓘ Brochure
Colorants for powder coatings	TI/P 3309 DE	📄 ⓘ Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

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📄 please contact our sales staff or request by mail from [service.evp@basf-ag.de](mailto:service.evp@basf-ag.de)

Product	Colour Index	chemical nature
Paliotan® Yellow L 1145		co-finish
Paliotan® Yellow L 1645		co-finish
Paliotan® Yellow L 1945		co-finish
Paliotan® Yellow L 2045		co-finish
Paliotan® Yellow L 2145 H		co-finish

A – Product catalog

**Sicotan® pigments for coatings**

complex inorganic chromatic pigments with rutile structure (nickel and chromium titanium yellow); made and tested for coatings applications

excellent fastness to light, weathering and chemicals and very good heat stability even in white reductions (pastel shades)

In combination with organic pigments, they produce economical yellow, orange and red shades with good hiding power. For high-gloss baking finishes, we particularly recommend Sicotan® Yellow L 1912 .

standard packaging: paper bag, 25 kg

**Available literature**

Title	Item number	Type
Sicotan® – The nickel, chromium and manganese rutile pigments of BASF	EVP 0501 E	Brochure
BASF pigments for mixing systems – The response to highest demands! (industrial paints)	EVP 0704 E	Brochure
Ein Gelbfarbton in Pulverlack	EVP 2503 D	Brochure
Pigments for epoxy finishes	TI/P 3127 DE	Technical Information bulletin
Sicotan® pigments for coatings	TI/P 3175 DE	Technical Information bulletin
Pigments for coil coating	TI/P 3262 2001 DE	Technical Information bulletin
Pigments for UV-curing coatings	TI/P 3299 DE	Technical Information bulletin
Colorants for powder coatings	TI/P 3309 DE	Technical Information bulletin

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📞 please contact our sales staff or request by mail from [service.evp@basf-ag.de](mailto:service.evp@basf-ag.de)

Product	Colour Index	chemical nature
Sicotan® Yellow L 1010	Pigment Yellow 53 / 77 788	Ni/Sb/Ti oxide
Sicotan® Yellow L 1011	Pigment Yellow 53 / 77 788	Ni/Sb/Ti oxide
Sicotan® Yellow L 1012	Pigment Yellow 53 / 77 788	Ni/Sb/Ti oxide
Sicotan® Yellow L 1910	Pigment Brown 24 / 77 310	Cr/Sb/Ti oxide
Sicotan® Yellow L 1912	Pigment Brown 24 / 77 310	Cr/Sb/Ti oxide
Sicotan® Yellow L 2010	Pigment Brown 24 / 77 310	Cr/Sb/Ti oxide
Sicotan® Yellow L 2011	Pigment Brown 24 / 77 310	Cr/Sb/Ti oxide
Sicotan® Yellow L 2107	Pigment Brown 24 / 77 310	Cr/Sb/Ti oxide
Sicotan® Yellow L 2110	Pigment Brown 24 / 77 310	Cr/Sb/Ti oxide

A – Product catalog

**Sicotrans® pigments for coatings**

transparent iron oxide pigments with extremely low particle size for very weatherfast coatings such as exterior wood varnish stains and automotive effect paints. The strong UV absorption of the pigments gives added protection to substrate and binder.

The suffix "D" following the numerical code denotes good dispersibility and an extremely low electrolyte content. Grades with numerical codes XX16 and XX18 grades are ideal for water-based systems.

standard packaging: paper bag, 20–25 kg (depending on product)

**Available literature**

Title	Item number	Type
Pigments and pigment preparations for wood glazes	FK/P 548 DE	☒ Pocket shade card
Sicotrans® pigments for coatings	TI/P 3176 DE	☒ Technical Information bulletin

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① please contact our sales staff or request by mail from [service.evp@basf-ag.de](mailto:service.evp@basf-ag.de)

Product	Colour Index	chemical nature
Sicotrans® Yellow L 1915	Pigment Yellow 42 / 77 492	iron oxide hydrate
Sicotrans® Yellow L 1916	Pigment Yellow 42 / 77 492 (transparent)	iron oxide hydrate, transparent
Sicotrans® Orange L 2416		iron[III] oxide/iron[III] oxide hydrate, transparent
Sicotrans® Red L 2715 D	Pigment Red 101 / 77 491	iron[III] oxide
Sicotrans® Red L 2816	Pigment Red 101 / 77 491	iron[III] oxide
Sicotrans® Red L 2817	Pigment Red 101 / 77 491 (transparent)	iron[III] oxide, transparent
Sicotrans® Red L 2818	Pigment Red 101 / 77 491	iron[III] oxide
Sicotrans® Red L 2915 D	Pigment Red 101 / 77 491	iron[III] oxide

A – Product catalog

### Xfast® stir-in pigments for coatings

Xfast® stir-in pigments are free-flowing, low-dusting granules that can be stirred directly into aqueous coating formulations. No laborious dispersion of powder pigments is required. Xfast® stir-in pigments therefore combine the advantages of powder pigments and pigment preparations.

fields of application: Xfast® stir-in pigments can be used in all water-based coating systems. By converting them into a slurry containing only a small amount of water, Xfast® stir-in pigments can also be applied in solvent-based systems.

physical form: free-flowing low-dusting granules

standard packaging: cardboard box with an inliner, 15–30 kg (depending on the product)

### Available literature

Title	Item number		Type
Xfast® – die Stir-in-Klasse: Pigmente sind überholt!	EVP 0304 D	①	Brochure
Xfast® – the stir-in class: Pigments have been surpassed!	EVP 0304 E	①	Brochure
Xfast® – die Stir-in-Klasse für Holzlasuren: Pigmente sind überholt!	EVP 0504 D	①	Brochure
Xfast® – the stir-in class for transparent wood stains: Pigments have been surpassed!	EVP 0504 E	①	Brochure
Xfast®: Sonderdruck aus FARBE & LACK 11/2001: Rühren fertig los	EVP 2902 D	①	Brochure
Xfast®: Sonderdruck aus COATING 2/2002: Stir-in-Pigmente für Dekofarben – erste Erfahrungen	EVP 3002 D	①	Brochure
Xfast®: Reprint from ASIA PACIFIC COATINGS JOURNAL 8/2002: Spin doctored	EVP 3102 E	①	Brochure
Xfast® – the stir-in class: Pigments have been surpassed!	EVP 3103 E	①	Brochure
Xfast® – the stir-in class: Pigments have been surpassed!	EVP 0204 E	①	CD Rom

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Product	Colour Index	chemical nature
Xfast® White ED 7623 (0022)	Pigment White 6 / 77 891	titanium dioxide (rutile)
Xfast® Black 0066	Pigment Black 7 / 77 266	carbon black
Xfast® Yellow ED 7573(0962)	Pigment Yellow 138 / 56 300	quinophthalone
Xfast® Yellow ED 7574 (1100)	Pigment Yellow 184 / 771740	bismuth vanadate

## A – Product catalog

<b>Product</b>	<b>Colour Index</b>	<b>chemical nature</b>
Xfast® Yellow 1252	Pigment Yellow 74 / 11 741	arylide yellow
Xfast® Yellow ED 7841 (1256)	Pigment Yellow 74 / 11 741	arylide yellow
Xfast® Yellow ED 7800 (1916)	Pigment Yellow 42 / 77 492 (transparent)	iron oxide hydrate, transparent
Xfast® Yellow ED 7627 (1995)	Pigment Yellow 42 / 77 492	iron oxide hydrate
Xfast® Red ED 7795 (2817)	Pigment Red 101 / 77 491 (transparent)	iron[III] oxide, transparent
Xfast® Brown ED 7646 (2915)	Pigment Red 101 / 77 491 (transparent)	iron[III] oxide, transparent
Xfast® Orange ED 7662 (2930)	Pigment Orange 67 / 12 915	pyrazolochinazolone
Xfast® Red ED 7699 (3396)	Pigment Red 101 / 77 491	iron[III] oxide
Xfast® Red 3855	Pigment Red 112 / 12 370	Naphthol AS red
Xfast® Red ED 7647 (3860)	Pigment Red 254 / 56 110	diketo-pyrrolo-pyrrol
Xfast® Magenta 4790	Pigment Red 122 / 73 915	quinacridone
Xfast® Violet ED 7575 (5894)	Pigment Violet 23 / 51 319	dioxazine
Xfast® Blue 6875	Pigment Blue 15:2 / 74 160	Cu phthalocyanine, alpha stable
Xfast® Blue 7080	Pigment Blue 15:3 / 74 160	Cu phthalocyanine, beta
Xfast® Green 8730	Pigment Green 7 / 74 260	Cu phthalocyanine, chlorinated
Xfast® Green 9360	Pigment Green 36 / 74 265	Cu phthalocyanine, halogenated

## A – Product catalog

**Luconyl® preparations for coatings**

pigment preparations of organic and inorganic pigments with a nonionic dispersing agent (grades based on transparent iron oxides contain an anionic dispersing agent)




main applications: emulsion and gloss emulsion paints, full tone paints and tinters based on aqueous binders, water-thinnable paints, synthetic plasters, whitewashes, distempers, colorants for wallpaper and colored paper, aqueous wood varnish stains

Luconyl® preparations are stirred into the medium to be colored. Even in very low-viscous systems they do not tend to settle. They are resistant to drying up and well compatible with all commercial polymer dispersions we know.


physical form: free-flowing aqueous pastes

standard packaging: plastic drum, 30 kg (exception: White 0022 – 50 kg), bulk packaging also available

**Available literature**

Title	Item number	Type
Luconyl® preparations	FK/P 537.1 DE	  Pocket shade card
Pigments and pigment preparations for wood glazes	FK/P 548 DE	 Pocket shade card

Item number suffix denotes language: D = German, E = English, DE = German/English

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Product	Colour Index	chemical nature
Luconyl® White 0022	Pigment White 6 / 77 891	titanium dioxide (rutile)
Luconyl® Black 0060	Pigment Black 7 / 77 266	carbon black
Luconyl® Black 0066	Pigment Black 7 / 77 266	carbon black
Luconyl® Yellow 1100	Pigment Yellow 184 / 771740	bismuth vanadate
Luconyl® Yellow 1250	Pigment Yellow 1 / 11 680	arylide yellow
Luconyl® Yellow 1252	Pigment Yellow 74 / 11 741	arylide yellow
Luconyl® Yellow 1770	Pigment Yellow 153 / 48 545	nickel complex
Luconyl® Yellow 1916	Pigment Yellow 42 / 77 492 (transparent)	iron oxide hydrate, transparent
Luconyl® Yellow 1995	Pigment Yellow 42 / 77 492	iron oxide hydrate
Luconyl® Orange 2416		iron[III] oxide/iron[III] oxide hydrate, transparent
Luconyl® Red 2817	Pigment Red 101 / 77 491 (transparent)	iron[III] oxide, transparent
Luconyl® Brown 2915	Pigment Red 101 / 77 491	iron[III] oxide
Luconyl® Orange 3053	Pigment Orange 5 / 12 075	Naphthol orange
Luconyl® Red 3396	Pigment Red 101 / 77 491	iron[III] oxide
Luconyl® Red 3855	Pigment Red 112 / 12 370	Naphthol AS red
Luconyl® Violet 5894	Pigment Violet 23 / 51 319	dioxazine

## A – Product catalog

<b>Product</b>	<b>Colour Index</b>	<b>chemical nature</b>
Luconyl® Blue 6900	Pigment Blue 15:1 / 74 160	Cu phthalocyanine, alpha stable
Luconyl® Blue 7080	Pigment Blue 15:3 / 74 160	Cu phthalocyanine, beta
Luconyl® Green 8730	Pigment Green 7 / 74 260	Cu phthalocyanine, chlorinated
Luconyl® Green 9360	Pigment Green 36 / 74 265	Cu phthalocyanine, halogenated

A – Product catalog

### Luconyl® G preparations for coatings




solvent-free alternative to the Luconyl® range

main applications: emulsion and gloss emulsion paints, full tone paints and tinters based on aqueous binders, water-thinnable paints, synthetic plasters, whitewashes, distempers, colorants for wallpaper and colored paper, aqueous wood varnish stains


physical form: free-flowing aqueous pastes

standard packaging: plastic drum, 30 kg, bulk packaging also available

#### Available literature

Title	Item number	Type
Luconyl® preparations	FK/P 537.1 DE	  Pocket shade card
Pigments and pigment preparations for wood glazes	FK/P 548 DE	 Pocket shade card

Item number suffix denotes language: D = German, E = English, DE = German/English

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Product	Colour Index	chemical nature
Luconyl® G White 0022	Pigment White 6 / 77 891	titanium dioxide (rutile)
Luconyl® G Black 0066	Pigment Black 7 / 77 266	carbon black
Luconyl® G Yellow 1100	Pigment Yellow 184 / 771740	bismuth vanadate
Luconyl® G Yellow 1770	Pigment Yellow 153 / 48 545	nickel complex
Luconyl® G Yellow 1916	Pigment Yellow 42 / 77 492 (transparent)	iron oxide hydrate, transparent
Luconyl® G Red 2817	Pigment Red 101 / 77 491 (transparent)	iron[III] oxide, transparent

A – Product catalog



**Luconyl® E preparations for coatings**

solvent-free development of the Luconyl® and Luconyl® G preparation ranges; Luconyl® E grades are VOC-free, broadly compatible and have improved storage stability.


main applications: emulsion and gloss emulsion paints, full tone paints and tinters based on aqueous binders, water-thinnable paints, synthetic plasters, whitewashes, distempers, colorants for wallpaper and colored paper, aqueous wood varnish stains

sphysical form: free-flowing aqueous pastes  
tandard packaging: plastic drum, 30 kg; bulk packaging also available

**Available literature**

Title	Item number	Type
Luconyl® preparations	FK/P 537.1 DE	  Pocket shade card

Item number suffix denotes language: D = German, E = English, DE = German/English

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Product	Colour Index	chemical nature
Luconyl® E Yellow 0951	Pigment Yellow 3 / 11 710	arylide yellow
Luconyl® E Yellow 1252	Pigment Yellow 74 / 11 741	arylide yellow
Luconyl® E Orange 2930	Pigment Orange 67 / 12 915	pyrazolochinazolone
Luconyl® E Red 3855	Pigment Red 112 / 12 370	Naphthol AS red
Luconyl® E Red 4270	Pigment Violet 19 / 73 900	quinacridone
Luconyl® E Violet 5894	Pigment Violet 23 / 51 319	dioxazine
Luconyl® E Blue 7080	Pigment Blue 15:3 / 74 160	Cu phthalocyanine, beta
Luconyl® E Green 8730	Pigment Green 7 / 74 260	Cu phthalocyanine, chlorinated

A – Product catalog

**Sicoflush® L preparations for coatings**






solvent-based pigment preparations based on a long-oil alkyd resin; suitable for air-drying industrial coatings, household paints and wood preservatives

shelf life: 24 months for most grades, 12 months for grades based on iron oxides


physical form: highly concentrated free-flowing pastes

standard packaging: iron drum, 25 kg, bulk packaging also available

**Available literature**

Title	Item number		Type
Sicoflush® – the perfect color quickly: If you don't gain time, you loose it!	EVP 0302 DE	 	Brochure
Pigments and pigment preparations for wood glazes	FK/P 548 DE		Pocket shade card
Sicoflush® Präparationen	EVP 004403.0 D		Technical Information bulletin
Sicoflush® preparations	EVP 004403.0 E		Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

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Product	Colour Index	chemical nature
Sicoflush® L Black 0054	Pigment Black 7 / 77 266	carbon black
Sicoflush® L Black 0055	Pigment Black 7 / 77 266	carbon black
Sicoflush® L Black 0063	Pigment Black 7 / 77 266	carbon black
Sicoflush® L Yellow 1916 C 4	Pigment Yellow 42 / 77 492 (transparent)	iron oxide hydrate, transparent
Sicoflush® L Orange 2416 C 4		iron[III] oxide/iron[III] oxide hydrate, transparent
Sicoflush® L Red 2817 C 4	Pigment Red 101 / 77 491 (transparent)	iron[III] oxide, transparent





A – Product catalog

**Sicoflush® P preparations for coatings**


preparations of organic and inorganic pigments in a very broadly compatible binder (special aldehyde resin); suitable for practically all solvent-based coatings and for tinters

physical form: highly concentrated free-flowing pastes  
standard packaging: iron drum, 25 kg, bulk packaging also available

**Available literature**

Title	Item number	Type
Sicoflush® – the perfect color quickly: If you don't gain time, you loose it!	EVP 0302 DE	  Brochure
Sicoflush® Präparationen	EVP 004403.0 D	 Technical Information bulletin
Sicoflush® preparations	EVP 004403.0 E	 Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

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Product	Colour Index	chemical nature
Sicoflush® P Black 0054	Pigment Black 7 / 77 266	carbon black
Sicoflush® P Yellow 0960	Pigment Yellow 138 / 56 300	quinophthalone
Sicoflush® P Yellow 1916	Pigment Yellow 42 / 77 492 (transparent)	iron oxide hydrate, transparent
Sicoflush® P Red 2817	Pigment Red 101 / 77 491 (transparent)	iron[III] oxide, transparent
Sicoflush® P Red 3855	Pigment Red 112 / 12 370	Naphthol AS red
Sicoflush® P Maroon 4763	Pigment Red 52:2 / 15 860:2	BON maroon, Mn lake
Sicoflush® P Violet 5890	Pigment Violet 23 / 51 319	dioxazine
Sicoflush® P Blue 6880	Pigment Blue 15:1 / 74 160	Cu phthalocyanine, alpha stable
Sicoflush® P Green 8730	Pigment Green 7 / 74 260	Cu phthalocyanine, chlorinated

A – Product catalog

### Sicomix® preparations for coatings

Pigment blends for the coatings industry; these extraordinarily homogenated blends help to avoid color separation and variation to the greatest possible extent.

Please note the references to RAL shades.

physical form: powder

standard packaging: paper bag, 25 kg

<b>Product</b>	<b>specification</b>
Sicomix® Gray 00-1110	~ RAL 7032
Sicomix® Black 00-5110	~ RAL 9005
Sicomix® Gray 00-6010	
Sicomix® Black 00-6060	
Sicomix® Black 00-6190	
Sicomix® Black 00-6770	
Sicomix® Gray 00-8390	
Sicomix® Gray 00-8430	
Sicomix® Gray E 20112	~ RAL 7000
Sicomix® Gray 41503	
Sicomix® Blue 63-0010	~ RAL 5002
Sicomix® Blue 63-0020	~ RAL 5002
Sicomix® Blue 63-0020 XK	~ RAL 5002
Sicomix® Blue L 6420	
Sicomix® Blue 66-0020 XK	~ RAL 5010
Sicomix® Blue 66-0030	~ RAL 5010
Sicomix® Green 73297 N	
Sicomix® Olive Green 73409 N	
Sicomix® Green 81-0010	
Sicomix® Green 84-0010	
Sicomix® Blue 94139	
Sicomix® Blue 99165 N	
Sicomix® Green VMA I 2543	

A – Product catalog

### **Sicomix® IR preparations for coatings**

Pigment blends with special remission in the infrared range for the coatings industry; these extraordinarily homogenated blends help to avoid color separation and variation to the greatest possible extent.

physical form: powder

standard packaging: paper bag, 25 kg

Technical literature is currently being prepared.

<b>Product</b>	<b>specification</b>
Sicomix® IR Brown 24-0040	RAL 8027
Sicomix® IR Green 97-0190	Norway MGF 70/MGK 93
Sicomix® IR Green 98-0510	Green 383
Sicomix® IR Bronze Green 98-0560	RAL 6031
Sicomix® IR Green 98-0970	Stanag 2338
Sicomix® IR Green 99-1330	RAL 6014
Sicomix® IR Green 99-1460	Denmark SK 80
Sicomix® IR Gray Olive 99-1630	RAL 7013



A – Product catalog

**Basantol® dyes for coatings**


highly concentrated, stable, liquid anionic dyes for aqueous wood stains that are fast to overcoating, can be diluted with water and with water/alcohol/glycol blends

standard packaging: jerrican, 30 kg

**Available literature**

<b>Title</b>	<b>Item number</b>	<b>Type</b>
Basantol® liquid dyes for water-based wood glazes	EVP 2303 DE	  Brochure

Item number suffix denotes language: D = German, E = English, DE = German/English

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<b>Product</b>	<b>Colour Index</b>	<b>chemical nature</b>
Basantol® Black X82 liquid	Acid Black 194 / –	azo/1:2 Cr complex
Basantol® Yellow 099 liquid	Acid Yellow 5 / 47 035 (different cation)	quinoline
Basantol® Yellow 215 liquid	Acid Yellow 204 / –	azo/1:2 Co complex
Basantol® Brown 269 liquid	Acid Brown 355 / –	azo/1:2 Cr complex
Basantol® Orange 273 liquid	Acid Orange 142 / –	azo/1:2 Cr complex
Basantol® Red 311 liquid	Acid Red 357 / –	azo/1:2 Cr complex
Basantol® Bordeaux 415 liquid	Acid Violet 90 / 18 762	azo/1:2 Cr complex
Basantol® Blue 762 liquid	Direct Blue 199 / –	Cu phthalocyanine

A – Product catalog

### **Basantol® U dyes for coatings**

highly concentrated, stable liquid metal complex dyes for aqueous solvent-based wood stains, can be diluted with blends of ethanol/Solvenon® PM/acetone, outstanding resistance to overcoating with water-borne coating systems

standard packaging: jerrican, 30 kg

<b>Product</b>	<b>Colour Index</b>	<b>chemical nature</b>
Basantol® U Yellow 145 liquid	Acid Yellow 59 / 18 690	azo/2:1 Cr complex
Basantol® U Yellow 155 liquid	Acid Yellow 119 / 11 700	azo/2:1 Co complex
Basantol® U Orange 255 liquid	Acid Orange 89 / –	azo/2:1 Cr complex
Basantol® U Red 345 liquid	Acid Red 226 / –	azo/2:1 Cr complex
Basantol® U Blue 745 liquid	Acid Violet 74 / –	azo/2:1 Co complex
Basantol® U Black X84 liquid	Acid Black 63 / 12 195	azo/2:1 Cr complex

A – Product catalog

**Neozapon® dyes for coatings**







metal-complex dyes with good to very good solubility in polar solvents, almost insoluble in water

main fields of application: solvent-based wood stains based on alcohols, ketones, esters, glycol ethers, etc.;  
transparent air-drying and baking finishes of all types


physical form: powder or coarse powder

standard packaging: cardboard box with inliner, 10–25 kg (depending on product)

**Available literature**

Title	Item number	Type
Neozapon® dyes	EVP 3003 DE	  Pocket shade card
Neozapon® Farbstoffe	TI/P 2669 D	  Technical Information bulletin
Neozapon® dyes	TI/P 2669 E	  Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

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Product	Colour Index	chemical nature
Neozapon® Black X51	Solvent Black 27 / –	1:2 Cr complex
Neozapon® Black X55	Solvent Black 29 / –	1:2 Cr complex
Neozapon® Yellow 081	Solvent Yellow 79 / –	1:1 Cr complex
Neozapon® Yellow 141	Solvent Yellow 81 / –	1:1 Cr complex
Neozapon® Yellow 157	Solvent Yellow 82 / –	1:2 Cr complex
Neozapon® Orange 245	Solvent Orange 56 / –	1:1 Cr complex
Neozapon® Orange 251	Solvent Orange 54 / –	1:2 Cr complex
Neozapon® Orange 272	Solvent Orange 99 / –	1:2 Cr complex
Neozapon® Brown 322	Solvent Brown 42 / –	1:2 Cr complex
Neozapon® Red 335	Solvent Red 122 / –	1:2 Cr complex
Neozapon® Red 355	Solvent Red 119 / –	1:2 Cr complex, color salt
Neozapon® Red 365	Solvent Red 160 / –	1:2 Cr complex, color salt
Neozapon® Red 395	Solvent Red 122 / – (similar)	1:2 Cr complex
Neozapon® Red 471	Solvent Red 118 / –	1:2 Co complex
Neozapon® Pink 478	Solvent Red 127 / –	1:1 Cr complex
Neozapon® Blue 807	Solvent Blue 70 / –	Cu phthalocyanine
Neozapon® Green 975		Cu phthalocyanine + 1:1 Cr complex

## A – Product catalog



























**Laromer® grades for radiation curing**

unsaturated acrylic ester resins and functional acrylic ester monomers for radiation-curable coatings

Functional acrylic ester monomers are non-volatile reactive thinners that serve both to adjust the processing viscosity and, through incorporation into the cured films, to modify the properties of the final coating.

Unsaturated acrylic ester resins, due to their different chemical structures, determine within broad limits the basic properties of coatings.

**Available literature**

<b>Title</b>	<b>Item number</b>	<b>Type</b>
Laromer®, Lucirin®, Larolux™ – Unser Angebot für die Strahlungshärtung	EVP 1503 D	  Brochure
Laromer®, Lucirin®, Larolux™ – Our offer for radiation curing	EVP 1503 E	 Brochure
Laromer® UA 9033 V	EVP 000304.0 D	 Technical Information bulletin
Laromer® UA 9033 V	EVP 000304.0 E	 Technical Information bulletin
Laromer® PE 9024 V	EVP 000404.0 D	 Technical Information bulletin
Laromer® PE 9024 V	EVP 000404.0 E	 Technical Information bulletin
Laromer® PE 9032 V	EVP 000504.0 D	 Technical Information bulletin
Laromer® PE 9032 V	EVP 000504.0 E	 Technical Information bulletin
Laromer® PA 9039 V	EVP 000804.0 D	 Technical Information bulletin
Laromer® PA 9039 V	EVP 000804.0 E	 Technical Information bulletin
Laromer® BDDA	EVP 001404.0 D	 Technical Information bulletin
Laromer® BDDA	EVP 001404.0 E	 Technical Information bulletin
Laromer® DPGDA	EVP 001504.0 D	 Technical Information bulletin
Laromer® DPGDA	EVP 001504.0 E	 Technical Information bulletin
Laromer® EDGA	EVP 001604.0 D	 Technical Information bulletin
Laromer® EDGA	EVP 001604.0 E	 Technical Information bulletin
Laromer® HDDA	EVP 001704.0 D	 Technical Information bulletin
Laromer® HDDA	EVP 001704.0 E	 Technical Information bulletin
Laromer® LA	EVP 001804.1 D	 Technical Information bulletin
Laromer® LA	EVP 001804.1 E	 Technical Information bulletin
Laromer® LR 8863	EVP 001904.0 D	 Technical Information bulletin
Laromer® LR 8863	EVP 001904.0 E	 Technical Information bulletin
Laromer® LR 8869	EVP 002004.0 D	 Technical Information bulletin
Laromer® LR 8869	EVP 002004.0 E	 Technical Information bulletin
Laromer® LR 8887	EVP 002104.0 D	 Technical Information bulletin
Laromer® LR 8887	EVP 002104.0 E	 Technical Information bulletin
Laromer® LR 8889	EVP 002204.0 D	 Technical Information bulletin
Laromer® LR 8889	EVP 002204.0 E	 Technical Information bulletin
Laromer® LR 8996	EVP 002304.0 D	 Technical Information bulletin
Laromer® LR 8996	EVP 002304.0 E	 Technical Information bulletin

## A – Product catalog

<b>Title</b>	<b>Item number</b>	<b>Type</b>
Laromer® LR 8997	EVP 002404.0 D	Technical Information bulletin
Laromer® LR 8997	EVP 002404.0 E	Technical Information bulletin
Laromer® PO 33 F	EVP 002504.0 D	Technical Information bulletin
Laromer® PO 33 F	EVP 002504.0 E	Technical Information bulletin
Laromer® PO 83 F	EVP 002604.0 D	Technical Information bulletin
Laromer® PO 83 F	EVP 002604.0 E	Technical Information bulletin
Laromer® PO 84 F	EVP 002704.0 D	Technical Information bulletin
Laromer® PO 84 F	EVP 002704.0 E	Technical Information bulletin
Laromer® PO 94 F	EVP 002804.0 D	Technical Information bulletin
Laromer® PO 94 F	EVP 002804.0 E	Technical Information bulletin
Laromer® POEA	EVP 002904.0 D	Technical Information bulletin
Laromer® POEA	EVP 002904.0 E	Technical Information bulletin
Laromer® TBCH	EVP 003004.0 D	Technical Information bulletin
Laromer® TBCH	EVP 003004.0 E	Technical Information bulletin
Laromer® TMPTA	EVP 003104.0 D	Technical Information bulletin
Laromer® TMPTA	EVP 003104.0 E	Technical Information bulletin
Laromer® TPGDA	EVP 003204.0 D	Technical Information bulletin
Laromer® TPGDA	EVP 003204.0 E	Technical Information bulletin
Laromer® DCPA	EVP 003904.0 D	Technical Information bulletin
Laromer® DCPA	EVP 003904.0 E	Technical Information bulletin
Laromer® BDMA	EVP 004004.0 D	Technical Information bulletin
Laromer® BDMA	EVP 004004.0 E	Technical Information bulletin
Laromer® LR 9019	EVP 004503.0 D	Technical Information bulletin
Laromer® LR 9019	EVP 004503.0 E	Technical Information bulletin
Laromer® LR 9023	EVP 004603.0 D	Technical Information bulletin
Laromer® LR 9023	EVP 004603.0 E	Technical Information bulletin
Laromer® UA 9028 V	EVP 009303.0 D	Technical Information bulletin
Laromer® UA 9028 V	EVP 009303.0 E	Technical Information bulletin
Laromer® UA 9029 V	EVP 009403.0 D	Technical Information bulletin
Laromer® UA 9029 V	EVP 009403.0 E	Technical Information bulletin
Laromer® UA 9030 V	EVP 009503.0 D	Technical Information bulletin
Laromer® UA 9030 V	EVP 009503.0 E	Technical Information bulletin
Laromer® UA 9031 V	EVP 009603.0 D	Technical Information bulletin
Laromer® UA 9031 V	EVP 009603.0 E	Technical Information bulletin
Laromer® LR 8956	EVP 009803.0 D	Technical Information bulletin
Laromer® LR 8956	EVP 009803.0 E	Technical Information bulletin
Laromer® PE 9027 V	EVP 010003.0 D	Technical Information bulletin
Laromer® PE 9027 V	EVP 010003.0 E	Technical Information bulletin
Laromer® PO 9026 V	EVP 011703.0 D	Technical Information bulletin
Laromer® PO 9026 V	EVP 011703.0 E	Technical Information bulletin
Laromer® PE 55 F	TI/ED 1101 D	Technical Information bulletin

## A – Product catalog

<b>Title</b>	<b>Item number</b>	<b>Type</b>
Laromer® PE 55 F	TI/ED 1101 E	Technical Information bulletin
Laromer® LR 8765	TI/ED 148 D	Technical Information bulletin
Laromer® LR 8765	TI/ED 148 E	Technical Information bulletin
Laromer® LR 8800	TI/ED 150 D	Technical Information bulletin
Laromer® LR 8800	TI/ED 150 E	Technical Information bulletin
Laromer® LR 8907	TI/ED 158 D	Technical Information bulletin
Laromer® LR 8907	TI/ED 158 E	Technical Information bulletin
Laromer® UP 35 D	TI/ED 1730 D	Technical Information bulletin
Laromer® UP 35 D	TI/ED 1730 E	Technical Information bulletin
Laromer® UA 19 T	TI/ED 1731 D	Technical Information bulletin
Laromer® UA 19 T	TI/ED 1731 E	Technical Information bulletin
Laromer® PE 44 F	TI/ED 1763 D	Technical Information bulletin
Laromer® PE 44 F	TI/ED 1763 E	Technical Information bulletin
Laromer® PE 46 T	TI/ED 1764 D	Technical Information bulletin
Laromer® PE 46 T	TI/ED 1764 E	Technical Information bulletin
Laromer® PE 56 F	TI/ED 1765 D	Technical Information bulletin
Laromer® PE 56 F	TI/ED 1765 E	Technical Information bulletin
Laromer® PO 43 F	TI/ED 1766 D	Technical Information bulletin
Laromer® PO 43 F	TI/ED 1766 E	Technical Information bulletin
Laromer® LR 8981	TI/ED 180 D	Technical Information bulletin
Laromer® LR 8981	TI/ED 180 E	Technical Information bulletin
Laromer® LR 8982	TI/ED 181 D	Technical Information bulletin
Laromer® LR 8982	TI/ED 181 E	Technical Information bulletin
Laromer® LR 8983	TI/ED 182 D	Technical Information bulletin
Laromer® LR 8983	TI/ED 182 E	Technical Information bulletin
Laromer® LR 8986	TI/ED 183 D	Technical Information bulletin
Laromer® LR 8986	TI/ED 183 E	Technical Information bulletin
Laromer® PO 77 F	TI/ED 1836 D	Technical Information bulletin
Laromer® PO 77 F	TI/ED 1836 E	Technical Information bulletin
Laromer® LR 8967	TI/ED 195 D	Technical Information bulletin
Laromer® LR 8967	TI/ED 195 E	Technical Information bulletin
Laromer® LR 8985	TI/ED 197 D	Technical Information bulletin
Laromer® LR 8985	TI/ED 197 E	Technical Information bulletin
Laromer® LR 8949	TI/ED 211 D	Technical Information bulletin
Laromer® LR 8949	TI/ED 211 E	Technical Information bulletin
Laromer® LR 9005	TI/ED 221 D	Technical Information bulletin
Laromer® LR 9005	TI/ED 221 E	Technical Information bulletin
Laromer® LR 9004	TI/ED 238 D	Technical Information bulletin
Laromer® LR 9004	TI/ED 238 E	Technical Information bulletin
Laromer® LR 9013	TI/ED 245 D	Technical Information bulletin
Laromer® LR 9013	TI/ED 245 E	Technical Information bulletin

## A – Product catalog

Title	Item number	Type
Laromer® LR 9007	TI/P 102 DE	Technical Information bulletin
Laromer® PE 22 WN	TI/P 3482 DE	Technical Information bulletin
Laromer® PE 55 WN	TI/P 3483 DE	Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

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Product	chemical nature
Laromer® LR 8765	aliphatic epoxy acrylate
Laromer® LR 8986	modified aromatic epoxy acrylate
Laromer® LR 9019	aromatic epoxy acrylate
Laromer® LR 9023	modified aromatic epoxy acrylate
Laromer® BDDA	butanediol diacrylate
Laromer® BDMA	butanediol monoacrylate
Laromer® DCPA	dihydrodicyclopentadienyl acrylate
Laromer® DPGDA	dipropylene glycol diacrylate
Laromer® EDGA	ethyldiglycol acrylate
Laromer® HDDA	hexanediol diacrylate
Laromer® LA	lauryl acrylate
Laromer® LR 8887	trimethylolpropaneformal monoacrylate
Laromer® POEA	phenoxyethyl acrylate
Laromer® TBCH	4-t-butylcyclohexyl acrylate
Laromer® TMPTA	trimethylolpropane triacrylate
Laromer® TPGDA	tripropylene glycol diacrylate
Laromer® LR 8956	reactive tertiary amine
Laromer® PE 44 F	polyester acrylate
Laromer® PE 46 T	polyester acrylate
Laromer® PE 55 F	polyester acrylate
Laromer® PE 56 F	polyester acrylate
Laromer® PE 9024 V	polyester acrylate
Laromer® PE 9032 V	polyester acrylate, monomer-free
Laromer® LR 8800	polyester acrylate
Laromer® LR 8907	polyester acrylate
Laromer® LR 8981	polyester acrylate
Laromer® LR 9004	polyester acrylate
Laromer® PO 33 F	alkoxylated trimethylolpropane triacrylate
Laromer® PO 43 F	modified polyether acrylate
Laromer® LR 8863	ethoxylated trimethylolpropane triacrylate
Laromer® LR 8967	modified polyether acrylate
Laromer® LR 8982	modified polyether acrylate
Laromer® LR 9007	modified pentaacrylate

## A – Product catalog












<b>Product</b>	<b>chemical nature</b>
Laromer® PO 77 F	amine-modified polyether acrylate
Laromer® PO 83 F	amine-modified polyether acrylate
Laromer® PO 84 F	amine-modified polyether acrylate
Laromer® PO 94 F	amine-modified polyether acrylate
Laromer® LR 8869	amine-modified polyether acrylate
Laromer® LR 8889	amine-modified polyether acrylate
Laromer® LR 8996	amine-modified polyether acrylate
Laromer® LR 8997	amine-modified polyether acrylate
Laromer® LR 8985	modified polyether acrylate
Laromer® LR 9013	modified polyether acrylate
Laromer® PA 9039 V	acidic unsaturated acrylic resin
Laromer® PE 9027 V	polyester acrylate with nano-scale silica
Laromer® PO 9026 V	polyether acrylate with nano-scale silica
Laromer® UP 35 D	unsaturated polyester
Laromer® UA 19 T	aliphatic urethane acrylate
Laromer® UA 9028 V	aliphatic urethane-modified acrylic resin, 70 % in butyl acetate
Laromer® UA 9029 V	aliphatic urethane-modified acrylic resin, 70 % in butyl acetate
Laromer® UA 9030 V	aliphatic urethane-modified acrylic resin, 70 % in Laromer® LR 8887
Laromer® UA 9031 V	aromatic urethane-modified acrylic resin, monomer-free
Laromer® UA 9033 V	aliphatic urethane-modified acrylic resin, 70 % in Laromer® LR 8887
Laromer® LR 8987	aliphatic urethane acrylate
Laromer® LR 8949	aliphatic polyurethane dispersion
Laromer® LR 8983	aromatic polyurethane dispersion
Laromer® LR 9005	aromatic urethane dispersion
Laromer® LR 9016 X	pure acrylic dispersion
Laromer® PE 22 WN	polyester acrylate emulsion
Laromer® PE 55 WN	polyester acrylate emulsion

A – Product catalog


**Lucirin® and Ludopal® grades for radiation curing**

Photoinitiators based on acylphosphine oxides whose absorption capacity in the near-UV range allows them to be used in pigmented systems. They are ideal for the curing of non-yellowing, white-pigmented coatings. They are non-volatile and can also be used in low-emission coatings.

**Available literature**

<b>Title</b>	<b>Item number</b>	<b>Type</b>
Laromer®, Lucirin®, Larolux™ – Unser Angebot für die Strahlungshärtung	EVP 1503 D	  Brochure
Laromer®, Lucirin®, Larolux™ – Our offer for radiation curing	EVP 1503 E	 Brochure
Lucirin® TPO	TI/ED 1447 D	 Technical Information bulletin
Lucirin® TPO	TI/ED 1447 E	 Technical Information bulletin
Ludopal® P 6	TI/ED 1513 D	 Technical Information bulletin
Ludopal® P 6	TI/ED 1513 E	 Technical Information bulletin
Ludopal® U 150	TI/ED 1515 D	 Technical Information bulletin
Ludopal® U 150	TI/ED 1515 E	 Technical Information bulletin
Lucirin® TPO-L	TI/ED 1787 D	 Technical Information bulletin
Lucirin® TPO-L	TI/ED 1787 E	 Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

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<b>Product</b>	<b>chemical nature</b>
Lucirin® LR 8953 X	acylphosphine oxide
Lucirin® TPO	acylphosphine oxide
Lucirin® TPO-L	acylphosphine oxide
Ludopal® P 6	unsaturated polyester resins dissolved in styrene
Ludopal® U 150	unsaturated polyester resins dissolved in styrene

## A – Product catalog






























**Luwipal® amino resins for coatings**

Condensation products from melamine or benzoguanamine, formaldehyde and an etherifying alcohol; they differ in viscosity, molecular mass, extent of etherification, reactivity and solution.

fields of application: baking finishes, acid-curable as well as physically drying coatings (top coats and increasingly lower coats) that are resistant to weathering, yellowing and to chemicals, and have to be hard and glossy; dependent on the structure of the resin, solvent- and water-based systems can be formulated.

Luwipal® B 017 as a benzoguanamine resin offers high elasticity and resistance to chemicals. Resistance to light and weathering is low due to the aromatic component contained.


**Available literature**

<b>Title</b>	<b>Item number</b>	<b>Type</b>
Luwipal®, Plastopal® – Aminoharze für höchste Ansprüche	EVP 1003 D	  Brochure
Luwipal®, Plastopal® – Amino resins for the most demanding requirements	EVP 1003 E	  Brochure
Luwipal® 052	EVP 001304.0 D	 Technical Information bulletin
Luwipal® 052	EVP 001304.0 E	 Technical Information bulletin
Luwipal® 044	TI/ED 1025 D	 Technical Information bulletin
Luwipal® 044	TI/ED 1025 E	 Technical Information bulletin
Luwipal® 066	TI/ED 1107 D	 Technical Information bulletin
Luwipal® 066	TI/ED 1107 E	 Technical Information bulletin
Luwipal® 012	TI/ED 1150 D	 Technical Information bulletin
Luwipal® 012	TI/ED 1150 E	 Technical Information bulletin
Luwipal® 015	TI/ED 1152 D	 Technical Information bulletin
Luwipal® 015	TI/ED 1152 E	 Technical Information bulletin
Luwipal® B 017	TI/ED 1153 D	 Technical Information bulletin
Luwipal® B 017	TI/ED 1153 E	 Technical Information bulletin
Luwipal® 016	TI/ED 1241 D	 Technical Information bulletin
Luwipal® 016	TI/ED 1241 E	 Technical Information bulletin
Luwipal® 068	TI/ED 1263 D	 Technical Information bulletin
Luwipal® 068	TI/ED 1263 E	 Technical Information bulletin
Luwipal® 014	TI/ED 1269 D	 Technical Information bulletin
Luwipal® 014	TI/ED 1269 E	 Technical Information bulletin
Luwipal® 063	TI/ED 1270 D	 Technical Information bulletin
Luwipal® 063	TI/ED 1270 E	 Technical Information bulletin
Luwipal® 072	TI/ED 1316 D	 Technical Information bulletin
Luwipal® 072	TI/ED 1316 E	 Technical Information bulletin
Luwipal® LR 8955	TI/ED 171 D	 Technical Information bulletin
Luwipal® LR 8955	TI/ED 171 E	 Technical Information bulletin
Luwipal® 069	TI/ED 1719 D	 Technical Information bulletin

## A – Product catalog

Title	Item number	Type
Luwipal® 069	TI/ED 1719 E	Technical Information bulletin
Luwipal® 073	TI/ED 1720 D	Technical Information bulletin
Luwipal® 073	TI/ED 1720 E	Technical Information bulletin
Luwipal® LR 8984	TI/ED 173 D	Technical Information bulletin
Luwipal® LR 8984	TI/ED 173 E	Technical Information bulletin
Luwipal® 018	TI/ED 1772 D	Technical Information bulletin
Luwipal® 018	TI/ED 1772 E	Technical Information bulletin
Luwipal® 018 BX	TI/ED 1791 D	Technical Information bulletin
Luwipal® 018 BX	TI/ED 1791 E	Technical Information bulletin

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Product	chemical nature
Luwipal® 012	n-butanol-etherified MF resin
Luwipal® 014	n-butanol-etherified MF resin
Luwipal® 015	iso-butanol-etherified MF resin
Luwipal® 016	n-butanol-etherified MF resin
Luwipal® B 017	n-butanol-etherified benzoguanamine resin
Luwipal® 018	n-butanol-etherified MF resin
Luwipal® 018 BX	n-butanol-etherified MF resin
Luwipal® 044	butanol-etherified highly alkylized MF resin
Luwipal® 052	coetherified MF resin
Luwipal® 063	methanol-etherified MF resin
Luwipal® 066	HMMM
Luwipal® 068	n-butanol-etherified MF resin
Luwipal® 069	methanol-etherified MF resin
Luwipal® 072	methanol-etherified MF resin
Luwipal® 073	methanol-etherified MF resin
Luwipal® LR 8955	coetherified MF resin
Luwipal® LR 8984	n-butanol-etherified MF resin

































## A – Product catalog

**Plastopal® amino resins for coatings**

Rigid or plasticized condensation products from urea, formaldehyde and an etherifying alcohol; they differ in viscosity, molecular mass, extent of etherification, reactivity and solution.

Rigid grades must be combined with an external reactant while plasticized ones can be used as sole binders. The Plastopal® grades are mainly used to produce coatings that are more adhesive, flexible, stable to overbaking and cost-efficient than melamine-formaldehyde resins. These properties recommend urea resins for use in primer and filler coatings.

**Available literature**

<b>Title</b>	<b>Item number</b>	<b>Type</b>
Harze für die Lackindustrie	EVP 0802 D	  Brochure
Resins for coatings	EVP 0802 E	  Brochure
Luwipal®, Plastopal® – Aminoharze für höchste Ansprüche	EVP 1003 D	  Brochure
Luwipal®, Plastopal® – Amino resins for the most demanding requirements	EVP 1003 E	  Brochure
Plastopal® EBS 100 A	TI/ED 1209 D	 Technical Information bulletin
Plastopal® EBS 100 A	TI/ED 1209 E	 Technical Information bulletin
Plastopal® FBX	TI/ED 1211 D	 Technical Information bulletin
Plastopal® FBX	TI/ED 1211 E	 Technical Information bulletin
Plastopal® FIB	TI/ED 1212 D	 Technical Information bulletin
Plastopal® FIB	TI/ED 1212 E	 Technical Information bulletin
Plastopal® CB	TI/ED 1271 D	 Technical Information bulletin
Plastopal® CB	TI/ED 1271 E	 Technical Information bulletin
Plastopal® A Marken	TI/ED 1309 D	 Technical Information bulletin
Plastopal® A grades	TI/ED 1309 E	 Technical Information bulletin
Plastopal® BT Marken	TI/ED 1310 D	 Technical Information bulletin
Plastopal® BT grades	TI/ED 1310 E	 Technical Information bulletin
Plastopal® EBS Marken	TI/ED 1311 D	 Technical Information bulletin
Plastopal® EBS grades	TI/ED 1311 E	 Technical Information bulletin
Plastopal® RH	TI/ED 1312 D	 Technical Information bulletin
Plastopal® RH	TI/ED 1312 E	 Technical Information bulletin
Plastigen® G	TI/ED 1315 D	 Technical Information bulletin
Plastigen® G	TI/ED 1315 E	 Technical Information bulletin
Plastopal® H 73 IB	TI/ED 1324 D	 Technical Information bulletin
Plastopal® H 73 IB	TI/ED 1324 E	 Technical Information bulletin
Plastopal® H 85 EB	TI/ED 1592 D	 Technical Information bulletin
Plastopal® H 85 EB	TI/ED 1592 E	 Technical Information bulletin
Plastopal® BTW	TI/ED 1721 D	 Technical Information bulletin
Plastopal® BTW	TI/ED 1721 E	 Technical Information bulletin

## A – Product catalog

Item number suffix denotes language: D = German, E = English, DE = German/English

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<b>Product</b>	<b>chemical nature</b>
Plastigen® G	glycoluril soft resin
Plastopal® ATB	n-butyl-etherified UF resin/polyester
Plastopal® AWB	n-butyl-etherified UF resin/polyester
Plastopal® BTB	n-butyl-etherified carbamate resin
Plastopal® BTM	methanol-etherified carbamate resin
Plastopal® BTW	methanol-etherified carbamate resin
Plastopal® CB	n-butanol-etherified UF resin
Plastopal® EBS 100 A	n-butanol-etherified UF resin
Plastopal® EBS 100 B	n-butanol-etherified UF resin
Plastopal® EBS 400 B	n-butanol-etherified UF resin
Plastopal® EBS 400 I	isobutanol-etherified UF resin
Plastopal® EBS 600 B	n-butanol-etherified UF resin
Plastopal® FBX	n-butanol-etherified UF resin
Plastopal® FIB	isobutanol-etherified UF resin
Plastopal® H 73 IB	isobutanol-etherified UF resin
Plastopal® H 85 EB	n-butanol-etherified UF resin
Plastopal® LR 8824	isobutanol-etherified UF resin
Plastopal® RH	n-butanol-etherified UF resin

A – Product catalog















**Basonat® polyisocyanates for coatings**

crosslinkers preferably for polyacrylate or polyester polyoles for the manufacture of two-pack polyurethane coatings


The range mainly consists of aliphatic polyisocyanates based on hexamethylene diisocyanate (HDI) and aromatic crosslinkers based on toluylene diisocyanate (TDI). Modifications in the manufacturing procedure yield, starting from HDI, products with biuret (Basonat® HB grades) or isocyanurate structure (Basonat® HI grades). Among others, the range comprises products with very low viscosity (allophanates, Basonat® HA grades) and hydrophilized polyisocyanates (Basonat® HW grades) for the application in two-pack water-based coatings. Basonat® HA grades are also used for high-solids systems.

standard packaging: metal drum

**Available literature**

Title	Item number	Type
Basonat® Lackhärter – Ein hartes Argument	EVP 1902 D	  Brochure
Basonat® hardeners – The very hard facts!	EVP 1902 E	  Brochure
Basonat® HB Marken	EVP 000903.0 D	 Technical Information bulletin
Basonat® HB grades	EVP 000903.0 E	 Technical Information bulletin
Basonat® HA Marken	EVP 001004.0 D	 Technical Information bulletin
Basonat® HA grades	EVP 001004.0 E	 Technical Information bulletin
Basonat® HI Marken	EVP 001103.0 D	 Technical Information bulletin
Basonat® HI grades	EVP 001103.0 E	 Technical Information bulletin
Basonat® HW Marken	EVP 001104.0 D	 Technical Information bulletin
Basonat® HW grades	EVP 001104.0 E	 Technical Information bulletin
Basonat® TU Marken	EVP 001204.0 D	 Technical Information bulletin
Basonat® TU grades	EVP 001204.0 E	 Technical Information bulletin

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 please contact our sales staff or request by mail from [service.evp@basf-ag.de](mailto:service.evp@basf-ag.de)

Product	chemical nature
Basonat® HA 100	allophanate-modified polyfunctional isocyanurate
Basonat® HA 200	allophanate-modified polyfunctional isocyanurate
Basonat® HA 300	allophanate-modified polyfunctional isocyanurate
Basonat® HB 100	polyfunctional biuret
Basonat® HB 175 MP/X	polyfunctional biuret
Basonat® HB 275 B	polyfunctional biuret
Basonat® HI 100	polyfunctional isocyanurate
Basonat® HI 168 S	polyfunctional isocyanurate
Basonat® HI 190 B/S	polyfunctional isocyanurate
Basonat® HI 268 B/S	polyfunctional isocyanurate

## A – Product catalog

<b>Product</b>	<b>chemical nature</b>
Basonat® HI 290 B	polyfunctional isocyanurate
Basonat® HW 100	hydrophilized polyfunctional isocyanurate
Basonat® HW 180 PC	hydrophilized polyfunctional isocyanurate
Basonat® TU 67 MP/X	polyfunctional adduct of TDI
Basonat® TU 75 E	polyfunctional adduct of TDI









A – Product catalog

**Acronal® dispersions for coatings**


dispersions based on styrene-acrylic copolymers especially for corrosion protection coatings with good adhesion and high pigment binding capacity

standard packaging: plastic drum, 150 kg, or IBC container, 1,000 kg

**Available literature**

<b>Title</b>	<b>Item number</b>	<b>Type</b>
Acronal® S 760, Acronal® LR 8977 – Lang lebe der Korrosionsschutz	EVP 1202 D	  Brochure
Acronal® S 760, Acronal® LR 8977 – Long live corrosion protection!	EVP 1202 E	  Brochure
Acronal® S 760	TI/ED 1401 D	 Technical Information bulletin
Acronal® S 760	TI/ED 1401 E	 Technical Information bulletin
Acronal® LR 8977	TI/ED 202 D	 Technical Information bulletin
Acronal® LR 8977	TI/ED 202 E	 Technical Information bulletin

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<b>Product</b>	<b>chemical nature</b>
Acronal® S 760	aqueous self-crosslinking dispersion of a butyl acrylate/styrene copolymer
Acronal® LR 8977	aqueous self-crosslinking dispersion of a butyl acrylate/styrene copolymer









A – Product catalog

**Luhydran® grades for coatings**


Luhydran® A 848 S, Luhydran® N 850 S and Luhydran® A 875 S are employed in the wood and furniture sectors. They exhibit high block resistance, good processing characteristics and high film flexibility.

Luhydran® S 937 T is a styrene/acrylic dispersion containing hydroxyl groups for crosslinking water-based coatings, either with amino resins for baking finishes or with polyisocyanates for two-pack water-based coatings.

**Available literature**

<b>Title</b>	<b>Item number</b>	<b>Type</b>
Luhydran® – Der ästhetische Schutz für Holz	EVP 1402 D	  Brochure
Luhydran® – The aesthetic wood protection	EVP 1402 E	  Brochure
Luhydran® A 848 S	TI/P 3509 DE	 Technical Information bulletin
Luhydran® A 875 S	TI/P 3510 DE	 Technical Information bulletin
Luhydran® N 850 S	TI/P 3511 DE	 Technical Information bulletin
Luhydran® S 937 T	TI/P 3512 DE	 Technical Information bulletin

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<b>Product</b>	<b>chemical nature</b>
Luhydran® A 848 S	self-crosslinking acrylate dispersion
Luhydran® A 875 S	self-crosslinking acrylate dispersion
Luhydran® N 850 S	self-crosslinking acrylate dispersion
Luhydran® S 937 T	styrene/acrylic dispersion containing hydroxyl groups

A – Product catalog

### Laroflex® grades for coatings

Polymers of vinyl chloride and vinyl isobutyl ether; very good adhesion to metals; the products differ mainly in viscosity and hence in the amount of solvent required to incorporate them into coatings.

fields of application: corrosion protection coatings, e. g., industrial plants, shipping containers, ships, storage tanks, etc. as well as road-marking paints

standard packaging: paper bag, 20 kg

### Available literature

Title	Item number	Type
Laroflex® MP – Das universelle Bindemittel	EVP 1002 D	Brochure
Laroflex® MP – The universal binder	EVP 1002 E	Brochure
Laroflex® MP Marken	EVP 004003.0 D	Technical Information bulletin
Laroflex® MP grades	EVP 004003.0 E	Technical Information bulletin

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Product	chemical nature
Laroflex® MP 15	copolymer based on vinyl chloride and vinyl isobutyl ether
Laroflex® MP 25	copolymer based on vinyl chloride and vinyl isobutyl ether
Laroflex® MP 35	copolymer based on vinyl chloride and vinyl isobutyl ether
Laroflex® MP 45	copolymer based on vinyl chloride and vinyl isobutyl ether
Laroflex® MP 60	copolymer based on vinyl chloride and vinyl isobutyl ether

A – Product catalog

### Laropal® aldehyde and ketone resins for coatings

hard resins based on isobutyraldehyde (Laropal® A) or cyclohexanone (Laropal® K), compatible with most binders and soluble in nearly all conventional solvents

field of application: dispersing resins for pigment concentrates with high pigment content, good hiding power, good grindability and long shelf life; co-binder to optimize gloss, film hardness, flow, UV resistance, body, etc.

Laropal® LR 8991 and Laropal® LR 9008 are resins dissolved in water and preferably used for water-based pigment pastes.

### Available literature

Title	Item number	Type
Laropal® Aldehyd- und Ketonharze – Die richtige Lösung	EVP 0902 D	📄 ⓘ Brochure
Laropal® aldehyde and ketone resins – The right solution	EVP 0902 E	📄 ⓘ Brochure
Laropal® Marken	EVP 000704.1 D	📄 Technical Information bulletin
Laropal® grades	EVP 000704.1 E	📄 Technical Information bulletin

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Product	chemical nature
Laropal® A 81	condensation product of urea and aliphatic aldehydes
Laropal® A 101	condensation product of urea and aliphatic aldehydes
Laropal® K 80	condensation product of cyclohexanone
Laropal® LR 8991	aqueous modified aldehyde resin
Laropal® LR 9008	aqueous modified aldehyde resin

A – Product catalog

**Acronal® L + F grades for coatings**

polymers of acrylic acid ester, soft resins that are resistant to aging and light, used to plastify binders for liquid and powder coatings and to improve adhesion to various substrates

standard packaging: metal drum, 180–200 kg (depending on product)

**Available literature**

<b>Title</b>	<b>Item number</b>	<b>Type</b>
Acronal® 700 L ca. 50 % in Ethylacetat	TI/ED 1104 D	Technical Information bulletin
Acronal® 700 L approx. 50 % in ethyl acetate	TI/ED 1104 E	Technical Information bulletin
Acronal® 4 F, Acronal® 4 L ca. 50 % in Ethylacetat	TI/ED 1105 D	Technical Information bulletin
Acronal® 4 F, Acronal® 4 L approx. 50 % in ethyl acetate	TI/ED 1105 E	Technical Information bulletin
Acronal® LR 8820	TI/ED 134 D	Technical Information bulletin
Acronal® LR 8820	TI/ED 134 E	Technical Information bulletin
Acronal® 500 L ca. 40 % in Ethylacetat	TI/ED 1792 D	Technical Information bulletin
Acronal® 500 L approx. 40 % in ethyl acetate	TI/ED 1792 E	Technical Information bulletin

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<b>Product</b>	<b>chemical nature</b>
Acronal® 4 F	polymer of n-butyl acrylate
Acronal® 4 L approx. 50 % in ethyl acetate	polymer of n-butyl acrylate
Acronal® 500 LC 40 % in ethyl acetate	polymer of n-butyl acrylate
Acronal® 700 L approx. 50 % in ethyl acet	copolymer of n-butyl acrylate/vinyl isobutyl ether
Acronal® LR 8820	copolymer of n-butyl acrylate/vinyl isobutyl ether

A – Product catalog

### Lutonal® resins for coatings

polymers based on polyvinyl ethers, saponification-resistant soft resins to improve adhesion of liquid coatings

A particular field of application is marine antifouling paints.

standard packaging: 160–180 kg (depending on product)

### Available literature

Title	Item number	Type
Lutonal® Marken	EVP 000604.0 D	Technical Information bulletin
Lutonal® grades	EVP 000604.0 E	Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

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Product	chemical nature
Lutonal® A 25	polyvinyl ethyl ether
Lutonal® A 50 approx. 50 % in ethanol	polyvinyl ethyl ether
Lutonal® M 40 approx. 70 % in ethanol	polyvinyl methyl ether

A – Product catalog

### Laromin® grades for coatings

aliphatic and cycloaliphatic amines for curing epoxy resins, generally used as hardeners in solvent-based and solvent-free two-pack epoxy coatings and sealing compounds

standard packaging: metal drum, 180–185 kg (depending on product)

### Available literature

Title	Item number	Type
Laromin® Marken	EVP 003604.0 D	Technical Information bulletin
Laromin® grades	EVP 003604.0 E	Technical Information bulletin

Item number suffix denotes language: D = German, E = English, DE = German/English

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Product	chemical nature
Laromin® A 327	aliphatic polyamine
Laromin® C 252	cycloaliphatic diamine
Laromin® C 260	cycloaliphatic diamine

## B – Colorants by Colour Index

**– / 45 460**

Cheque Dyestuff AS liquid

**Acid Black 63 / 12 195**

Basantol® U Black X84 liquid

**Acid Black 194 / –**

Basacid® Black X40 liquid

Basantol® Black X82 liquid

**Acid Brown 355 / –**

Basantol® Brown 269 liquid

**Acid Green 1 / 10 020**

Basacid® Green 970

**Acid Orange 7 / 15 510 (different cation)**

Basacid® Orange 282 liquid

**Acid Orange 89 / –**

Basantol® U Orange 255 liquid

**Acid Orange 142 / –**

Basantol® Orange 273 liquid

**Acid Red 18 / 16 255**

Basacid® Red 400 E

**Acid Red 87 / 45 380**

Basacid® Red 316

**Acid Red 226 / –**

Basantol® U Red 345 liquid

**Acid Red 357 / –**

Basantol® Red 311 liquid

**Acid Violet 74 / –**

Basantol® U Blue 745 liquid

**Acid Violet 90 / 18 762**

Basantol® Bordeaux 415 liquid

**Acid Yellow 3 / 47 005**

Basacid® Yellow 093 liquid

Basacid® Yellow 094

**Acid Yellow 5 / 47 035 (different cation)**

Basacid® Yellow 099 liquid

Basantol® Yellow 099 liquid

**Acid Yellow 23 / 19 140**

Basacid® Yellow 133 E

**Acid Yellow 36 / 13 065**

Basacid® Yellow 232

**Acid Yellow 59 / 18 690**

Basantol® U Yellow 145 liquid

**Acid Yellow 73 / 45 350**

Basacid® Yellow 226

**Acid Yellow 119 / 11 700**

Basantol® U Yellow 155 liquid

**Acid Yellow 204 / –**

Basantol® Yellow 215 liquid

**Basic Blue 7 / 42 595**

Basonyl® Blue 636

**Basic Blue 26 / 44 045 (different anion)**

Basonyl® Blue 644 liquid

**Basic Green 4 / 42 000 (similar)**

Basonyl® Green 830 liquid

**Basic Red 1 / 45 160**

Basonyl® Red 482

**Basic Red 1 / 45 160 (different anion)**

Basonyl® Red 483

**Basic Red 1:1 / 45 161**

Basonyl® Red 485

**Basic Violet 1 / 42 535**

Basonyl® Violet 600

**Basic Violet 1 / 42 535 (different anion)**

Basonyl® Violet 602 liquid

**Basic Violet 10 / 45 170**

Basonyl® Red 540

Basonyl® Red 545 liquid

**Basic Violet 11:1 / 45 174 (different anion)**

Basonyl® Red 560

**Basic Yellow 37 / 41 001**

Basonyl® Yellow 105

**Direct Blue 199 / –**

Basacid® Blue 762 liquid

Basantol® Blue 762 liquid

**Pigment Black 1 / 50 440**

Paliotol® Black L 0080

## B – Colorants by Colour Index

**Pigment Black 7 / 77 266**

Dispers Black 00-6607  
 Dispers Black 00-7607  
 Eupolen® PA Black 00-6305  
 Eupolen® PE Black 00-6001  
 Eupolen® PE Black 00-6005  
 Eupolen® PP Black 00-6005  
 Euvinyl® Black 00-5402  
 Euvinyl® C Black 00-5402  
 Luconyl® Black 0060  
 Luconyl® Black 0066  
 Luconyl® G Black 0066  
 Oppasin® Black 0060  
 Pigmosol® Black 0058  
 Sicoflush® L Black 0054  
 Sicoflush® L Black 0055  
 Sicoflush® L Black 0063  
 Sicoflush® P Black 0054  
 Xfast® Black 0066

**Pigment Black 11 / 77 499**

Magnetic Black S 0045  
 Magnetic pigment 340 BASF  
 Magnetic pigment 345 BASF  
 Magnetic pigment 346 BASF  
 Sicopur® Black S 0082

**Pigment Black 25 / 77 332**

Sicocer® F Gray 1985

**Pigment Black 27 / 77 502**

Sicocer® F Black 10901  
 Sicopal® Black 0090

**Pigment Black 27 / 77 502**

Sicocer® F Black 2904  
 Sicocer® F Black 2955

**Pigment Black 31 / 71 132**

Paliogen® Black S 0084

**Pigment Black 32 / 71 133**

Paliogen® Black L 0086

**Pigment Blue 1 / 42 595:2**

Fanal® Blue D 6340

**Pigment Blue 1 / 42 595:2 (similar)**

Fanal® Blue D 6390  
 Fanal® Blue D 6391

**Pigment Blue 15 / 74 160**

Heliogen® Blue FR 6840  
 Heliogen® Blue K 6850

**Pigment Blue 15:1 / 74 160**

Dispers Blue 69-0007  
 Eupolen® PA Blue 68-1105  
 Eupolen® PE Blue 69-1501  
 Eupolen® PE Blue 69-2001  
 Eupolen® PE Blue 69-2004  
 Eupolen® PE Blue 69-2005  
 Eupolen® PP Blue 69-2005  
 Euvinyl® C Blue 69-0202  
 Heliogen® Blue L 6900  
 Heliogen® Blue K 6902  
 Heliogen® Blue K 6907  
 Heliogen® Blue K 6911 D  
 Heliogen® Blue K 6911 FP  
 Heliogen® Blue L 6920  
 Heliogen® Blue L 6930  
 Luconyl® Blue 6900  
 Oppasin® Blue 6900  
 Pigmosol® Blue 6900  
 Sicoflush® P Blue 6880

**Pigment Blue 15:2 / 74 160**

Heliogen® Blue L 6870  
 Heliogen® Blue L 6875 F  
 Heliogen® Blue L 6901 F  
 Heliogen® Blue L 6905 F  
 Heliogen® Blue L 6975 F  
 Heliogen® Blue L 6989 F  
 Heliogen® Blue L 6990 F  
 Xfast® Blue 6875

## B – Colorants by Colour Index

**Pigment Blue 15:3 / 74 160**

Dispers Blue 70-0507  
 Eupolen® PA Blue 70-9005  
 Eupolen® PE Blue 70-9001  
 Eupolen® PE Blue 70-9004  
 Eupolen® PE Blue 70-9005  
 Eupolen® PE Blue 70-9101  
 Eupolen® PP Blue 70-9005  
 Euvinyl® C Blue 70-8502  
 Heliogen® Blue L 7072 D  
 Heliogen® Blue D 7079  
 Heliogen® Blue L 7080  
 Heliogen® Blue L 7081 D  
 Heliogen® Blue L 7085  
 Heliogen® Blue D 7086  
 Heliogen® Blue K 7090  
 Heliogen® Blue K 7090 FP  
 Heliogen® Blue D 7092  
 Luconyl® Blue 7080  
 Luconyl® E Blue 7080  
 Xfast® Blue 7080

**Pigment Blue 15:4 / 74 160**

Eupolen® PE Blue 71-0401  
 Eupolen® PE Blue 71-0404  
 Heliogen® Blue L 7101 F  
 Heliogen® Blue K 7104 LW  
 Heliogen® Blue D 7107

**Pigment Blue 15:6 / 74 160**

Heliogen® Blue D 6700 T  
 Heliogen® Blue L 6700 F

**Pigment Blue 16 / 74 100**

Heliogen® Blue L 7460  
 Heliogen® Blue D 7490

**Pigment Blue 28 / 77 346**

Sicopal® Blue K 6210  
 Sicopal® Blue K 6310

**Pigment Blue 36 / 77 343**

Sicocer® F Blue Green 10407  
 Sicocer® F Blue 2555  
 Sicopal® Blue K 6710  
 Sicopal® Blue K 7210  
 Sicopal® Blue K 7310

**Pigment Blue 60 / 69 800**

Eupolen® PE Blue 64-7005  
 Oppasin® Blue 6470  
 Paliogen® Blue L 6385  
 Paliogen® Blue L 6470  
 Paliogen® Blue L 6480  
 Paliogen® Blue L 6482  
 Paliogen® Blue L 6495 F

**Pigment Blue 62 / 42 595:4**

Fanal® Blue D 6380

**Pigment Blue 71 / 77 998**

Sicocer® F Turquoise 2504

**Pigment Blue 72 / 77 347**

Sicocer® F Blue 2508

**Pigment Blue 73 / 77 364**

Sicocer® F Cobalt Blue 10517

**Pigment Brown 24 / 77 310**

Eupolen® PA Yellow 21-0705  
 Sicotan® Yellow L 1910  
 Sicotan® Yellow L 1912  
 Sicotan® Yellow K 2001  
 Sicotan® Yellow K 2001 FG  
 Sicotan® Yellow L 2010  
 Sicotan® Yellow K 2011  
 Sicotan® Yellow L 2011  
 Sicotan® Yellow K 2011 FG  
 Sicotan® Yellow L 2107  
 Sicotan® Yellow L 2110  
 Sicotan® Yellow K 2111  
 Sicotan® Yellow K 2111 FG  
 Sicotan® Yellow K 2112  
 Sicotan® Yellow K 2112 FG

**Pigment Brown 29 / 77 500**

Sicopal® Brown K 2795

**Pigment Brown 33 / 77 503**

Sicocer® F Brown 2726  
 Sicocer® F Brown 2730  
 Sicocer® F Red Brown 10705

**Pigment Green 1 / 42 040:1**

Fanal® Green D 8330

## B – Colorants by Colour Index

**Pigment Green 7 / 74 260**

Dispers Green 87-3007  
 Eupolen® PA Green 87-3005  
 Eupolen® PE Green 87-3001  
 Eupolen® PE Green 87-3004  
 Eupolen® PE Green 87-3005  
 Eupolen® PP Green 87-3005  
 Euvinyl® C Green 87-3002  
 Heliogen® Green D 8605 DD  
 Heliogen® Green L 8605  
 Heliogen® Green L 8690  
 Heliogen® Green D 8725  
 Heliogen® Green D 8730  
 Heliogen® Green K 8730  
 Heliogen® Green L 8730  
 Heliogen® Green K 8730 FP  
 Heliogen® Green L 8731  
 Heliogen® Green L 8735  
 Luconyl® Green 8730  
 Luconyl® E Green 8730  
 Oppasin® Green 8730  
 Pigmosol® Green 8730  
 Sicoflush® P Green 8730  
 Xfast® Green 8730

**Pigment Green 36 / 74 265**

Eupolen® PE Green 93-6001  
 Heliogen® Green D 9360  
 Heliogen® Green K 9360  
 Heliogen® Green L 9361  
 Luconyl® Green 9360  
 Xfast® Green 9360

**Pigment Green 50 / 77 377**

Sicopal® Green K 9610  
 Sicopal® Green K 9710  
 Sicopal® Green K 9810

**Pigment Orange 5 / 12 075**

Dispers Orange 30-5207  
 Luconyl® Orange 3053

**Pigment Orange 13 / 21 110**

Oppasin® Orange 3050

**Pigment Orange 34 / 21 115**

Dispers Orange 30-5507

**Pigment Orange 67 / 12 915**

Luconyl® E Orange 2930  
 Paliotol® Orange L 2930 HD  
 Xfast® Orange ED 7662 (2930)

**Pigment Red 3 / 12 120**

Sico® Red L 3750

**Pigment Red 48:1 / 15 865:1**

Eupolen® PE Scarlet 37-0005  
 Lithol® Scarlet D 3700  
 Oppasin® Scarlet 3700

**Pigment Red 48:2 / 15 865:2**

Eupolen® PE Scarlet 44-6105  
 Eupolen® PP Scarlet 44-6105  
 Lithol® Scarlet D 4461

**Pigment Red 48:3 / 15 865:3**

Eupolen® PE Red 41-6001  
 Eupolen® PE Red 41-6505  
 Eupolen® PP Red 41-6505  
 Lithol® Scarlet K 4165  
 Lithol® Scarlet K 4165 FP

**Pigment Red 48:4 / 15 865:4**

Eupolen® PE Scarlet 43-0005  
 Euvinyl® C Scarlet 43-0002  
 Lithol® Fast Scarlet K 4300  
 Lithol® Fast Scarlet L 4300

**Pigment Red 52:2 / 15 860:2**

Lithol® Fast Maroon L 4763  
 Sicoflush® P Maroon 4763

**Pigment Red 53:3 / 15 585:3**

Lithol® Red K 3690

**Pigment Red 57:1 / 15 850:1**

Eupolen® PE Red 45-6005  
 Euvinyl® C Rubine 45-6602  
 Oppasin® Rubine 4630

**Pigment Red 63:1 / 15 880:1**

Lithol® Bordeaux L 4761

**Pigment Red 81:2 / 45 161:1**

Fanal® Pink D 4830

## B – Colorants by Colour Index

**Pigment Red 101 / 77 491**

Dispers Brown 35-8117  
 Eupolen® PA Brown 30-9705  
 Eupolen® PA Brown 30-9715  
 Eupolen® PE Brown 29-1505  
 Eupolen® PP Brown 29-1505  
 Luconyl® Brown 2915  
 Luconyl® Red 3396  
 Sicopur® Red S 2832  
 Sicotrans® Red L 2715 D  
 Sicotrans® Red L 2816  
 Sicotrans® Red L 2818  
 Sicotrans® Red K 2819  
 Sicotrans® Red K 2915  
 Sicotrans® Red L 2915 D  
 Xfast® Red ED 7699 (3396)

**Pigment Red 101 / 77 491 (transparent)**

Luconyl® Red 2817  
 Luconyl® G Red 2817  
 Sicoflush® L Red 2817 C 4  
 Sicoflush® P Red 2817  
 Sicotrans® Red L 2817  
 Xfast® Red ED 7795 (2817)  
 Xfast® Brown ED 7646 (2915)

**Pigment Red 104 / 77 605**

Sicomini® Red L 2922  
 Sicomini® Red K 3023  
 Sicomini® Red L 3025  
 Sicomini® Red L 3025 Typ U  
 Sicomini® Red K 3030 S  
 Sicomini® Red L 3030 S  
 Sicomini® Red L 3035 S  
 Sicomini® Red L 3125  
 Sicomini® Red L 3125 Typ U  
 Sicomini® Red K 3130 S  
 Sicomini® Red L 3130 S  
 Sicomini® Red L 3135 S  
 Sicomini® Red L 3230 S  
 Sicomini® Red L 3330 S

**Pigment Red 112 / 12 370**

Dispers Red 38-5507  
 Luconyl® Red 3855  
 Luconyl® E Red 3855  
 Pigmosol® Red 3855  
 Sico® Fast Red L 3855  
 Sicoflush® P Red 3855  
 Xfast® Red 3855

**Pigment Red 122 / 73 915**

Eupolen® PE Red 47-9001  
 Xfast® Magenta 4790

**Pigment Red 144 / 20 735**

Eupolen® PP Red 37-8005

**Pigment Red 149 / 71 137**

Eupolen® PA Red 35-8005  
 Eupolen® PP Red 35-8005  
 Paliogen® Red K 3580

**Pigment Red 169 / 45 160:2**

Fanal® Pink D 4810

**Pigment Red 170 / 12 475**

Sico® Fast Scarlet L 4252

**Pigment Red 178 / 71 155**

Eupolen® PE Red 36-8005  
 Eupolen® PE Red 39-1101  
 Eupolen® PE Red 39-1104  
 Euvinyl® C Red 36-8002  
 Paliogen® Red L 3880 HD  
 Paliogen® Red L 3910 HD  
 Paliogen® Red K 3911 HD

**Pigment Red 179 / 71 130**

Eupolen® PA Bordeaux 38-8505  
 Eupolen® PA Red 41-8005  
 Eupolen® PP Red 41-8005  
 Paliogen® Red L 3875  
 Paliogen® Red L 3885  
 Paliogen® Maroon L 3920  
 Paliogen® Maroon L 3980  
 Paliogen® Red L 4120  
 Paliogen® Red K 4180

**Pigment Red 202 / 73 907**

Eupolen® PA Pink 49-1005

## B – Colorants by Colour Index

**Pigment Red 232 / 77 996**

Sicocer® F Coral 2315  
 Sicocer® F Coral 2320  
 Sicocer® F Coral 2350  
 Sicocer® F Red 2355  
 Sicocer® F Red 2360

**Pigment Red 233 / 77 301**

Sicocer® F Pink 10307  
 Sicocer® F Pink 10309  
 Sicocer® F Pink 10310

**Pigment Red 254 / 56 110**

Xfast® Red ED 7647 (3860)

**Pigment Violet 1 / 45 170:2 (similar)**

Fanal® Violet D 5480

**Pigment Violet 2 / 45 175:1**

Fanal® Violet D 5460

**Pigment Violet 3 / 42 535:2 (similar)**

Fanal® Violet D 6070

**Pigment Violet 3 / 42 535:2 (similar)**

Fanal® Violet D 6060

**Pigment Violet 19 / 73 900**

Luconyl® E Red 4270

**Pigment Violet 23 / 51 319**

Eupolen® PA Violet 57-9005  
 Eupolen® PE Violet 58-9001  
 Eupolen® PE Violet 58-9005  
 Luconyl® Violet 5894  
 Luconyl® E Violet 5894  
 Sicoflush® P Violet 5890  
 Xfast® Violet ED 7575 (5894)

**Pigment Violet 27 / 42 535:3 (similar)**

Fanal® Violet D 6140

**Pigment Violet 29 / 71 129**

Eupolen® PA Violet 50-1105  
 Eupolen® PP Violet 50-1105  
 Paliogen® Red Violet K 5011

**Pigment White 6 / 77 891**

Dispers White 00-2207  
 Luconyl® White 0022  
 Luconyl® G White 0022  
 Xfast® White ED 7623 (0022)

**Pigment Yellow 1 / 11 680**

Luconyl® Yellow 1250  
 Pigmosol® Yellow 1250

**Pigment Yellow 3 / 11 710**

Luconyl® E Yellow 0951

**Pigment Yellow 13 / 21 100**

Oppasin® Yellow 1351

**Pigment Yellow 34 / 77 603**

Sicomini® Yellow L 1425  
 Sicomini® Yellow L 1522  
 Sicomini® Yellow L 1622  
 Sicomini® Yellow L 1622 Typ U  
 Sicomini® Yellow K 1625  
 Sicomini® Yellow L 1625  
 Sicomini® Yellow K 1630 S  
 Sicomini® Yellow L 1630 S  
 Sicomini® Yellow L 1635 S  
 Sicomini® Yellow L 1835 S  
 Sicomini® Yellow K 1922  
 Sicomini® Yellow L 1922  
 Sicomini® Yellow L 1922 Typ U  
 Sicomini® Yellow K 1925  
 Sicomini® Yellow L 1925  
 Sicomini® Yellow L 1930 S  
 Sicomini® Yellow L 2135 S

**Pigment Yellow 42 / 77 492**

Luconyl® Yellow 1995  
 Sicotrans® Yellow L 1915  
 Xfast® Yellow ED 7627 (1995)

**Pigment Yellow 42 / 77 492 (transparent)**

Luconyl® Yellow 1916  
 Luconyl® G Yellow 1916  
 Sicoflush® L Yellow 1916 C 4  
 Sicoflush® P Yellow 1916  
 Sicopur® Yellow S 2012  
 Sicotrans® Yellow L 1916  
 Xfast® Yellow ED 7800 (1916)

## B – Colorants by Colour Index

**Pigment Yellow 53 / 77 788**

Sicotan® Yellow K 1010  
Sicotan® Yellow L 1010  
Sicotan® Yellow K 1010 FG  
Sicotan® Yellow K 1011  
Sicotan® Yellow L 1011  
Sicotan® Yellow K 1011 FG  
Sicotan® Yellow L 1012

**Pigment Yellow 74 / 11 741**

Luconyl® Yellow 1252  
Luconyl® E Yellow 1252  
Sico® Yellow FR 1252  
Xfast® Yellow 1252  
Xfast® Yellow ED 7841 (1256)

**Pigment Yellow 83 / 21 108**

Dispers Yellow 17-8007  
Euvinyl® C Yellow 17-8102

**Pigment Yellow 101 / 48 052**

Lumogen® Yellow S 0790

**Pigment Yellow 119 / 77 496**

Sicopal® Brown K 2595

**Pigment Yellow 138 / 56 300**

Eupolen® PE Yellow 09-6101  
Eupolen® PE Yellow 09-6104  
Eupolen® PP Yellow 09-6105  
Euvinyl® C Yellow 09-6102  
Paliotol® Yellow D 0960  
Paliotol® Yellow L 0960 HD  
Paliotol® Yellow K 0961 HD  
Paliotol® Yellow L 0962 HD  
Paliotol® Yellow K 1090  
Sicoflush® P Yellow 0960  
Xfast® Yellow ED 7573(0962)

**Pigment Yellow 139 / 56 298**

Eupolen® PE Yellow 18-4101  
Eupolen® PE Yellow 18-4105  
Eupolen® PP Yellow 18-4105  
Euvinyl® C Yellow 18-4102  
Paliotol® Yellow D 1819  
Paliotol® Yellow L 1820  
Paliotol® Yellow K 1841  
Paliotol® Yellow K 1841 FP  
Paliotol® Yellow L 1970  
Paliotol® Yellow L 2140 HD  
Paliotol® Yellow K 2142 H

**Pigment Yellow 150 / –**

Eupolen® PA Yellow 12-7005

**Pigment Yellow 153 / 48 545**

Luconyl® Yellow 1770  
Luconyl® G Yellow 1770  
Paliotol® Yellow L 1772

**Pigment Yellow 159 / 77 997**

Sicocer® F Yellow 2214  
Sicocer® F Yellow 2255

**Pigment Yellow 164 / 77 899**

Sicotan® Brown K 2611  
Sicotan® Brown K 2711  
Sicotan® Brown K 2750 FG

**Pigment Yellow 183 / 18 792**

Eupolen® PE Yellow 22-7001  
Eupolen® PE Yellow 22-7004  
Eupolen® PE Yellow 22-7005  
Paliotol® Yellow K 2270

**Pigment Yellow 183 / 18 792 (modified)**

Eupolen® PE Yellow 17-0001  
Paliotol® Yellow K 1700

**Pigment Yellow 184 / 771740**

Luconyl® Yellow 1100  
Luconyl® G Yellow 1100  
Sicopal® Yellow L 1100  
Sicopal® Yellow L 1110  
Sicopal® Yellow L 1120  
Sicopal® Yellow K 1160 FG  
Sicopal® Yellow L 1600  
Xfast® Yellow ED 7574 (1100)

## B – Colorants by Colour Index

**Pigment Yellow 185 / 56 290**

Eupolen® PE Yellow 11-5501

Eupolen® PE Yellow 11-5504

Paliotol® Yellow D 1155

Paliotol® Yellow L 1155

**Reactive Red 24:1 / –**

Basacid® Red 495 liquid

**Solvent Black 3 / 26 150**

Neptun® Black X60

**Solvent Black 5 / 50 415 (similar)**

Basonyl® Black X22 liquid

**Solvent Black 27 / –**

Neozapon® Black X51

**Solvent Black 29 / –**

Neozapon® Black X55

**Solvent Black 46 / –**

Neptun® Black X17 liquid

**Solvent Blue 35 / 61 554**

Thermoplast Blue 670

**Solvent Blue 64 / –**

Neptun® Blue 698

**Solvent Blue 70 / –**

Neozapon® Blue 807

**Solvent Brown 42 / –**

Neozapon® Brown 322

**Solvent Green 5 / 59 075**

Thermoplast F Yellow 084

**Solvent Orange 54 / –**

Neozapon® Orange 251

**Solvent Orange 56 / –**

Neozapon® Orange 245

**Solvent Orange 99 / –**

Neozapon® Orange 272

**Solvent Red 49 / 45 170:1**

Neptun® Red Base 543

Neptun® Red Base 546

**Solvent Red 118 / –**

Neozapon® Red 471

**Solvent Red 119 / –**

Neozapon® Red 355

**Solvent Red 122 / –**

Neozapon® Red 335

**Solvent Red 122 / – (similar)**

Neozapon® Red 395

**Solvent Red 127 / –**

Neozapon® Pink 478

**Solvent Red 160 / –**

Neozapon® Red 365

**Solvent Red 195 / –**

Thermoplast Red 454

**Solvent Violet 13 / 60 725**

Thermoplast Blue 684

**Solvent Yellow 79 / –**

Neozapon® Yellow 081

**Solvent Yellow 81 / –**

Neozapon® Yellow 141

**Solvent Yellow 82 / –**

Neozapon® Yellow 157

**Solvent Yellow 93 / 48 160**

Thermoplast Yellow 104

**Solvent Yellow 162 / –**

Neptun® Yellow 075

## C – Products for food-contact applications and toys

**Colorants for food-contact applications**

Materials and articles for food-contact application are intended to come into contact with or act on foodstuffs during their manufacture, processing, distribution or consumption of these foodstuffs. The directives and regulations of individual countries are based on these principles, some of which apply to the colorant and others to the material or article:

## Fastness to migration:

If used as intended and expected, a colorant must not migrate from the material or article containing it into foodstuffs. BASF tests its colorants and makes appropriate recommendations. However, the fastness to migration also depends on how well the colorant is applied and on the nature and quantity of any other additive used. Therefore, it is not possible to guarantee fastness to migration. It is the user's responsibility to test the fastness to migration on the finished article under conditions simulating normal use.

## Purity of colorants:

This is defined by certain maximum permissible levels of heavy metals, primary aromatic amines and polychlorinated biphenyls. BASF defined Type 8081 colorants meeting the purity requirements of Germany (Recommendation IX of the Bundesinstitut für Risikobewertungen [Federal Institute for Risk Assessments, BfR, formerly BgVV]), Austria, Belgium, Italy, the Netherlands, Spain and Switzerland. The purity requirements of European Resolution AP (89) I are also met. The purpose of the Resolution is to lay down standard European regulations and in its present form has been approved by Austria, Belgium, Denmark, France, Germany, Ireland, Italy, Luxembourg, the Netherlands, Norway, Spain, Sweden, Switzerland and the United Kingdom. Based on the experience of many years and the results of regular analyses we can warrant that Type 8081 colorants conform to the limits below. Upon request (and for a fee), an analysis can be carried out for a particular batch and a certificate of analysis issued. Regular analyses do not cover the limits for benzidine, beta-naphthylamine, 4-aminobiphenyl and PCB; past analyses returned results well below the limits and in other cases we concluded, based on the product synthesis, that these substances were not present at all.

Limits according to	Recommendation IX BfR	Type 8081
antimony	500 ppm	250 ppm
arsenic	100 ppm	50 ppm
barium	100 ppm	100 ppm
cadmium	100 ppm	50 ppm
chromium	1,000 ppm	100 ppm
lead	100 ppm	100 ppm
mercury	50 ppm	25 ppm
selenium	100 ppm	100 ppm <sup>1</sup>
primary aromatic amines, calculated as aniline	500 ppm	500 ppm <sup>1</sup>
benzidine, beta-naphthylamin, 4-aminobiphenyl		10 ppm
polychlorobiphenyls (PCB)		25 ppm

<sup>1</sup> = extract in 1 M or 2 M hydrochloric acid

## C – Products for food-contact applications and toys

In addition to the purity requirements for the colorants, other components of colorant preparations (e. g., Luconyl®, Eupolen®) must generally conform to national regulations as well. Because of the large number of applicable regulations, colorant preparations will only be tested for conformity when requested.

### Positive lists:

Some countries have compiled lists of colorants approved for food-contact applications ("positive list").

#### France:

A colorant to be used for the coloration of food-contact articles in France must be listed in the French positive list.

#### USA:

For the coloration of food-contact materials in the USA, the Code of Federal Regulations, Title 21, Parts 170–199, must be observed. Colorants with general or conditional approval are listed under §178.3297 ("Colorants for Polymers", FDA positive list).

FDA assumes that, as a principle, all colorants migrate from the material or article into the foodstuff via the contact area and thus regards them as "indirect food additives". A colorant may be exempted according to § 170.39 ("Threshold of regulation for substances used in food-contact articles"), if its migration into foodstuffs is negligibly small. The migration limit is 0.5 ppb. Such products are also considered "FDA approved". Colorants that are neither listed under § 178.3297 nor approved according to §170.39 may nevertheless be used in the USA for the coloration of food-contact materials if certain conditions are met. For instance, colorants without FDA approval may be used if the processor can demonstrate that there is no migration into foodstuffs.

On January 01, 2000, FDA introduced the "Food Contact Notice" (FCN), a speedy approval process. Once the completed application documents have been submitted, FDA has 120 days to raise objections. The approval is applicant-specific and only applies to the colorant manufactured and registered by the applicant.

For more extensive information please refer to our Technical Information bulletin "Directives and regulations on the use of colorants in food-contact applications and toys", available through our sales staff or from:

[www.basf.com/pigments](http://www.basf.com/pigments).

## C – Products for food-contact applications and toys

**Colorants for toys**

European standard EN 71, part 3 (migration of elements from toy material), lays down limits for heavy metals that are soluble in 0.07 N hydrochloric acid:

Limits according to	Type 8082
antimony	60 ppm
arsenic	25 ppm
barium	1,000 ppm
cadmium	75 ppm
chromium	60 ppm
lead	90 ppm
mercury	60 ppm
selenium	500 ppm

Somewhat other limits are applicable for modeling clays and finger paints.

The limits refer to the colored toy, not the colorant itself. Many of our customers demand, however, that the colorant conform to the limits of EN 71-3. For practical reasons we defined Type 8082 colorants for which we warrant that they conform to the limits actually applicable to the toy. Colorants not listed do not conform to Type 8082 but toys colored with them may nevertheless conform to EN 71-3. We will test this on request, the colorant's application rate must be indicated.

The warranty described applies to the conformity to the limits only. Migration must be tested on the colored toy by the processor himself.

For more extensive information please refer to our Technical Information bulletin "Directives and regulations on the use of colorants in food-contact applications and toys", available through our sales staff or from: [www.basf.com/pigments](http://www.basf.com/pigments).

**Pigment preparations und tailor-made products**

Most pigment preparations and tailor-made products do not appear in this brochure. We will test the conformity to Type 8081 or Type 8082 on request, in which case the field of application must be given.

## C – Products for food-contact applications and toys

Product	Type 8081	Type 8082	France	USA
Basacid® Black X34 liquid	yes	yes	no	no
Basacid® Black X38 liquid	yes	yes	no	no
Basacid® Black X40 liquid	no	yes	no	no
Basacid® Yellow 094	yes	yes	no	no
Basacid® Yellow 099 liquid	yes	yes	no	no
Basacid® Yellow 133 E	yes	yes	no	no
Basacid® Yellow 226	yes	yes	no	no
Basacid® Yellow 232	yes	yes	no	no
Basacid® Orange 282 liquid	yes	yes	no	no
Basacid® Red 316	yes	yes	no	no
Basacid® Red 400 E	yes	yes	no	no
Basacid® Red 495 liquid	yes	yes	no	no
Basacid® Blue 762 liquid	yes	yes	no	no
Basacid® Green 970	yes	yes	no	no
Basantol® Black X82 liquid	no	yes	no	no
Basantol® Yellow 099 liquid	yes	yes	no	no
Basantol® Yellow 215 liquid	no	yes	no	no
Basantol® Blue 762 liquid	yes	yes	no	no
Basonyl® Black X22 liquid	not recommended for printing food packaging due to migration (bleeding)	yes	no	no
Eupolen® PE Black 00-6001	yes	yes	yes	no
Eupolen® PE Black 00-6005	yes	yes	yes	no
Eupolen® PE Yellow 09-6101	yes	yes	yes	maximum application rate in polymers: 1 % (in terms of the amount of pigment)
Eupolen® PE Yellow 09-6104	yes	yes	yes	maximum application rate in polymers: 1 % (in terms of the amount of pigment)
Eupolen® PE Yellow 11-5501	yes	yes	no	no
Eupolen® PE Yellow 11-5504	yes	yes	no	no
Eupolen® PE Yellow 17-0001	yes	yes	no	no

## C – Products for food-contact applications and toys

<b>Product</b>	<b>Type 8081</b>	<b>Type 8082</b>	<b>France</b>	<b>USA</b>
Eupolen® PE Yellow 18-4101	yes	yes	yes	no
Eupolen® PE Yellow 18-4105	yes	yes	yes	no
Eupolen® PE Yellow 22-7001	yes	yes	yes	maximum appli- cation rate: 1 % (in terms of the amount of pigment), limited to PE-HD and PP and their copolymers
Eupolen® PE Yellow 22-7004	yes	yes	yes	maximum appli- cation rate: 1 % (in terms of the amount of pigment), limited to PE-HD and PP and their copolymers
Eupolen® PE Yellow 22-7005	yes	yes	yes	maximum appli- cation rate: 1 % (in terms of the amount of pigment), limited to PE-HD and PP and their copolymers
Eupolen® PE Brown 29-1505	yes	yes	yes	yes
Eupolen® PE Red 36-8005	yes	yes	yes	no
Eupolen® PE Red 39-1101	yes	yes	yes	maximum appli- cation rate in polymers: 1 % (in terms of the amount of pigment)
Eupolen® PE Red 39-1104	yes	yes	yes	maximum appli- cation rate in polymers: 1 % (in terms of the amount of pigment)
Eupolen® PE Red 41-6001	yes	yes	yes	no
Eupolen® PE Red 41-6505	yes	yes	yes	no
Eupolen® PE Scarlet 43-0005	yes	yes	no	no
Eupolen® PE Scarlet 44-6105	yes	yes	yes	no
Eupolen® PE Red 45-6005	yes	yes	yes	no
Eupolen® PE Red 47-9001	yes	yes	no	no
Eupolen® PE Violet 58-9001	yes	yes	yes	no

## C – Products for food-contact applications and toys

<b>Product</b>	<b>Type 8081</b>	<b>Type 8082</b>	<b>France</b>	<b>USA</b>
Eupolen® PE Violet 58-9005	yes	yes	yes	no
Eupolen® PE Blue 64-7005	yes	yes	yes	no
Eupolen® PE Blue 69-1501	yes	yes	no	no
Eupolen® PE Blue 69-2001	yes	yes	yes	yes
Eupolen® PE Blue 69-2004	yes	yes	yes	yes
Eupolen® PE Blue 69-2005	yes	yes	yes	yes
Eupolen® PE Blue 70-9001	yes	yes	yes	yes
Eupolen® PE Blue 70-9004	yes	yes	yes	yes
Eupolen® PE Blue 70-9005	yes	yes	yes	yes
Eupolen® PE Blue 70-9101	yes	yes	yes	no
Eupolen® PE Blue 71-0401	yes	yes	yes	yes
Eupolen® PE Blue 71-0404	yes	yes	yes	yes
Eupolen® PE Green 87-3001	yes	yes	yes	yes
Eupolen® PE Green 87-3004	yes	yes	yes	yes
Eupolen® PE Green 87-3005	yes	yes	yes	yes
Eupolen® PE Green 93-6001	yes	yes	no	no
Fanal® Pink D 4830	yes	yes	no	no
Fanal® Violet D 5460	yes	yes	no	no
Fanal® Violet D 5480	yes	yes	no	no
Fanal® Violet D 6060	yes	yes	no	no
Fanal® Violet D 6070	yes	yes	no	no
Fanal® Blue D 6340	yes	yes	no	no
Fanal® Blue D 6380	yes	yes	no	no
Fanal® Blue D 6390	yes	yes	no	no
Fanal® Blue D 6391	yes	yes	no	no
Fanal® Green D 8330	yes	yes	no	no
Heliogen® Blue D 6700 T	yes	yes	yes	yes
Heliogen® Blue L 6700 F	yes	yes	yes	yes
Heliogen® Blue FR 6840	yes	yes	yes	yes
Heliogen® Blue K 6850	yes	yes	yes	yes
Heliogen® Blue L 6870	yes	yes	yes	yes
Heliogen® Blue L 6875 F	yes	yes	yes	yes
Heliogen® Blue L 6900	yes	yes	yes	yes
Heliogen® Blue L 6901 F	yes	yes	yes	yes
Heliogen® Blue K 6902	yes	yes	yes	yes
Heliogen® Blue L 6905 F	yes	yes	yes	yes
Heliogen® Blue K 6907	yes	yes	yes	yes
Heliogen® Blue K 6911 D	yes	yes	yes	yes
Heliogen® Blue K 6911 FP	yes	yes	yes	yes
Heliogen® Blue L 6920	yes	yes	yes	yes

## C – Products for food-contact applications and toys

<b>Product</b>	<b>Type 8081</b>	<b>Type 8082</b>	<b>France</b>	<b>USA</b>
Heliogen® Blue L 6930	yes	yes	yes	yes
Heliogen® Blue L 6975 F	yes	yes	yes	yes
Heliogen® Blue L 6989 F	yes	yes	yes	yes
Heliogen® Blue L 6990 F	yes	yes	yes	yes
Heliogen® Blue L 7072 D	yes	yes	yes	yes
Heliogen® Blue D 7079	yes	yes	yes	yes
Heliogen® Blue L 7080	yes	yes	yes	yes
Heliogen® Blue L 7081 D	yes	yes	yes	yes
Heliogen® Blue L 7085	yes	yes	yes	yes
Heliogen® Blue D 7086	yes	yes	yes	yes
Heliogen® Blue K 7090	yes	yes	yes	yes
Heliogen® Blue K 7090 FP	yes	yes	yes	yes
Heliogen® Blue D 7092	yes	yes	yes	yes
Heliogen® Blue L 7101 F	yes	yes	yes	yes
Heliogen® Blue K 7104 LW	yes	yes	yes	yes
Heliogen® Blue D 7107	yes	yes	yes	yes
Heliogen® Blue L 7460	yes	yes	no	no
Heliogen® Blue D 7490	yes	yes	no	no
Heliogen® Green L 8605	yes	yes	yes	yes
Heliogen® Green D 8605 DD	yes	yes	yes	yes
Heliogen® Green L 8690	yes	yes	yes	yes
Heliogen® Green D 8725	yes	yes	yes	yes
Heliogen® Green L 8730	yes	yes	yes	yes
Heliogen® Green D 8730	yes	yes	yes	yes
Heliogen® Green K 8730	yes	yes	yes	yes
Heliogen® Green K 8730 FP	yes	yes	yes	yes
Heliogen® Green L 8731	yes	yes	yes	yes
Heliogen® Green L 8735	yes	yes	yes	yes
Heliogen® Green D 9360	yes	yes	no	no
Heliogen® Green K 9360	yes	yes	no	no
Heliogen® Green L 9361	yes	yes	no	no
Lithol® Scarlet K 4165	yes	yes	yes	no
Lithol® Scarlet K 4165 FP	yes	yes	yes	no
Lithol® Fast Scarlet K 4300	yes	yes	no	no
Lithol® Fast Scarlet L 4300	yes	yes	no	no
Lithol® Scarlet D 4461	yes	yes	yes	no
Lithol® Bordeaux L 4761	yes	yes	yes	no
Lithol® Fast Maroon L 4763	yes	yes	no	no
Lumogen® Yellow S 0790	yes	yes	no	no

## C – Products for food-contact applications and toys

<b>Product</b>	<b>Type 8081</b>	<b>Type 8082</b>	<b>France</b>	<b>USA</b>
Lumogen® F Orange 240	not suitable for polyethylene (migration)	yes	no	no
Lumogen® F Red 305	not suitable for polyethylene (migration)	yes	no	no
Lumogen® F Violet 570	not suitable for polyethylene (migration)	yes	no	no
Lumogen® F Blue 650	not suitable for polyethylene (migration)	yes	no	no
Lumogen® F Green 850	not suitable for polyethylene (migration)	yes	no	no
Magnetic Black S 0045	yes	yes	yes	yes
Magnetic pigment 340 BASF	yes	yes	yes	yes
Magnetic pigment 345 BASF	yes	yes	yes	yes
Magnetic pigment 346 BASF	yes	yes	yes	yes
Neozapon® Black X51	acid-soluble chromium content > 100 ppm, no Type 8081 conformity but meets requirements of IX, BfR	chromium content not below 60 ppm, EN 71-3 only permits maximum application rate of 6 % (calculated for 1,000 ppm chromium)	no	no
Neozapon® Black X55	yes	yes	no	no
Neozapon® Yellow 157	yes	yes	no	no
Neozapon® Orange 251	acid-soluble chromium content > 100 ppm, no Type 8081 conformity but meets requirements of IX, BfR	chromium content not below 60 ppm, EN 71-3 only permits maximum application rate of 6 % (calculated for 1,000 ppm chromium)	no	no
Neozapon® Orange 272	yes	yes	no	no
Neozapon® Red 335	yes	yes	no	no

## C – Products for food-contact applications and toys

<b>Product</b>	<b>Type 8081</b>	<b>Type 8082</b>	<b>France</b>	<b>USA</b>
Neozapon® Red 355	yes	yes	no	no
Neozapon® Red 365	yes	yes	no	no
Neozapon® Red 395	yes	yes	no	no
Neozapon® Red 471	yes	yes	no	no
Neozapon® Pink 478	yes	yes	no	no
Neozapon® Blue 807	yes	yes	no	no
Neptun® Black X60	no	yes	no	no
Neptun® Yellow 075	yes	yes	no	no
Neptun® Blue 698	no	yes	no	no
Paliocrom® Gold L 2000	yes	yes	yes	no
Paliocrom® Gold L 2020	yes	yes	yes	no
Paliocrom® Orange L 2800	yes	yes	yes	no
Paliocrom® Copper L 3000	yes	yes	yes	no
Paliocrom® Copper L 3011	yes	yes	yes	no
Paliocrom® Copper L 3101	yes	yes	yes	no
Paliocrom® Blue Silver L 6000	yes	yes	yes	no
Paliocrom® Blue Silver L 6001	yes	yes	yes	no
Paliogen® Black L 0086	yes	yes	no	no
Paliogen® Red K 3580	yes	yes	yes	maximum appli- cation rate in polymers: 1 %
Paliogen® Red L 3875	yes	yes	no	maximum appli- cation rate in polymers: 1 %
Paliogen® Red L 3880 HD	yes	yes	yes	maximum appli- cation rate in polymers: 1 %
Paliogen® Red L 3885	yes	yes	no	maximum appli- cation rate in polymers: 1 %
Paliogen® Red L 3910 HD	yes	yes	yes	maximum appli- cation rate in polymers: 1 %
Paliogen® Red K 3911 HD	yes	yes	yes	maximum appli- cation rate in polymers: 1 %
Paliogen® Maroon L 3920	yes	yes	no	maximum appli- cation rate in polymers: 1 %
Paliogen® Maroon L 3980	yes	yes	no	maximum appli- cation rate in polymers: 1 %

## C – Products for food-contact applications and toys

<b>Product</b>	<b>Type 8081</b>	<b>Type 8082</b>	<b>France</b>	<b>USA</b>
Paliogen® Red L 4120	yes	yes	no	maximum appli- cation rate in polymers: 1 %
Paliogen® Red K 4180	yes	yes	no	maximum appli- cation rate in polymers: 1 %
Paliogen® Red Violet K 5011	yes	yes	no	maximum appli- cation rate in polymers: 1 %
Paliogen® Blue L 6385	yes	yes	yes	no
Paliogen® Blue L 6470	yes	yes	yes	no
Paliogen® Blue L 6480	yes	yes	yes	no
Paliogen® Blue L 6482	yes	yes	yes	no
Paliogen® Blue L 6495 F	yes	yes	yes	no
Paliotol® Yellow L 0960 HD	yes	yes	yes	maximum appli- cation rate in polymers: 1 %
Paliotol® Yellow D 0960	yes	yes	yes	maximum appli- cation rate in polymers: 1 %
Paliotol® Yellow K 0961 HD	yes	yes	yes	maximum appli- cation rate in polymers: 1 %
Paliotol® Yellow L 0962 HD	yes	yes	yes	maximum appli- cation rate in polymers: 1 %
Paliotol® Yellow K 1090	yes	yes	yes	maximum appli- cation rate in polymers: 1 %
Paliotol® Yellow L 1155	yes	yes	no	no
Paliotol® Yellow D 1155	yes	yes	approved for printing inks only; max. application rate: 20 %	no
Paliotol® Yellow K 1700	yes	yes	no	no
Paliotol® Yellow L 1772	yes	yes	no	no
Paliotol® Yellow D 1819	yes	yes	yes	no
Paliotol® Yellow L 1820	yes	yes	yes	no
Paliotol® Yellow K 1841	yes	yes	yes	no
Paliotol® Yellow K 1841 FP	yes	yes	yes	no
Paliotol® Yellow L 1970	yes	yes	yes	no
Paliotol® Yellow L 2140 HD	yes	yes	yes	no
Paliotol® Yellow K 2142 H	yes	yes	yes	no

## C – Products for food-contact applications and toys

<b>Product</b>	<b>Type 8081</b>	<b>Type 8082</b>	<b>France</b>	<b>USA</b>
Paliotol® Yellow K 2270	yes	yes	yes	maximum appli- cation rate: 1 %, limited to PE-HD and PP and their copolymers
Paliotol® Orange L 2930 HD	yes	yes	no	no
Pigmosol® Black 0058	yes	yes	yes	no
Pigmosol® Yellow 1250	yes	yes	yes	no
Pigmosol® Red 3855	yes	yes	yes	no
Pigmosol® Blue 6900	yes	yes	yes	yes
Pigmosol® Green 8730	yes	yes	yes	yes
Sico® Yellow FR 1252	yes	yes	no	no
Sico® Red L 3750	yes	yes	yes	no
Sico® Fast Red L 3855	no	yes	no	no
Sico® Fast Scarlet L 4252	yes	yes	yes	no
Sicolux® Copper Gloss L 3015	yes	yes	yes	no
Sicolux® Metal Gloss L 6015	yes	yes	yes	no
Sicopal® Yellow L 1100	yes	yes	no	no
Sicopal® Yellow L 1110	yes	yes	no	no
Sicopal® Yellow L 1120	yes	yes	no	no
Sicopal® Yellow K 1160 FG	yes	yes	no	no
Sicopal® Yellow L 1600	yes	yes	no	no
Sicopal® Brown K 2595	yes	yes	yes	no
Sicopal® Brown K 2795	yes	yes	yes	no
Sicopal® Blue K 6210	yes	yes	yes	maximum appli- cation rate in polymers: 5 %; no limit for § 175.300, in various resins and EVA polymers
Sicopal® Blue K 6310	yes	yes	yes	maximum appli- cation rate in polymers: 5 %; no limit for § 175.300, in various resins and EVA polymers
Sicopal® Blue K 6710	yes	yes	yes	no

## C – Products for food-contact applications and toys

<b>Product</b>	<b>Type 8081</b>	<b>Type 8082</b>	<b>France</b>	<b>USA</b>
Sicopal® Blue K 7210	yes	yes	yes	no
Sicopal® Blue K 7310	yes	yes	yes	no
Sicopal® Green K 9610	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicopal® Green K 9710	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicopal® Green K 9810	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicopur® Black S 0082	yes	yes	yes	yes
Sicopur® Yellow S 2012	yes	yes	yes	yes
Sicopur® Red S 2832	yes	yes	yes	yes
Sicotan® Yellow K 1010	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow L 1010	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow K 1010 FG	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow L 1011	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow K 1011	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow K 1011 FG	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow L 1012	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39

## C – Products for food-contact applications and toys

<b>Product</b>	<b>Type 8081</b>	<b>Type 8082</b>	<b>France</b>	<b>USA</b>
Sicotan® Yellow L 1910	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow L 1912	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow K 2001	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow K 2001 FG	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow L 2010	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow L 2011	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow K 2011	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow K 2011 FG	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow L 2110	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow K 2111	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow K 2111 FG	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Yellow K 2112	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39

## C – Products for food-contact applications and toys

<b>Product</b>	<b>Type 8081</b>	<b>Type 8082</b>	<b>France</b>	<b>USA</b>
Sicotan® Yellow K 2112 FG	yes	yes	yes	maximum appli- cation rate in polymers: 2 %; § 170.39
Sicotan® Brown K 2611	yes	yes	no	no
Sicotan® Brown K 2711	yes	yes	no	no
Sicotan® Brown K 2750 FG	yes	yes	no	no
Sicotrans® Yellow L 1915	yes	yes	yes	yes
Sicotrans® Yellow L 1916	yes	yes	yes	yes
Sicotrans® Orange L 2416	yes	yes	yes	yes
Sicotrans® Red L 2715 D	yes	yes	yes	yes
Sicotrans® Red L 2816	yes	yes	yes	yes
Sicotrans® Red L 2817	yes	yes	yes	yes
Sicotrans® Red L 2818	yes	yes	yes	yes
Sicotrans® Red K 2819	yes	yes	yes	yes
Sicotrans® Red L 2915 D	yes	yes	yes	yes
Sicotrans® Red K 2915	yes	yes	yes	yes
Thermoplast Black X70	yes	yes	yes	no
Thermoplast F Yellow 084	yes	yes	no	no
Thermoplast Yellow 104	yes	yes	yes	no
Thermoplast Red 454	yes	yes	no	no
Thermoplast Blue 670	yes	yes	no	no
Thermoplast Blue 684	yes	yes	yes	no
Variocrom® Magic Silver K 1000	yes	yes	Components are listed.	Components are listed.
Variocrom® Magic Gold L 1400	yes	yes	Components are listed.	Components are listed.
Variocrom® Magic Gold K 1411	yes	yes	Components are listed.	Components are listed.
Variocrom® Magic Red K 4411	yes	yes	Components are listed.	Components are listed.
Variocrom® Magic Red L 4420	yes	yes	Components are listed.	Components are listed.
Variocrom® Magic Purple K 5511	yes	yes	Components are listed.	Components are listed.
Variocrom® Magic Purple L 5520	yes	yes	Components are listed.	Components are listed.
Variocrom® Magic Green K 9811	yes	yes	Components are listed.	Components are listed.

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