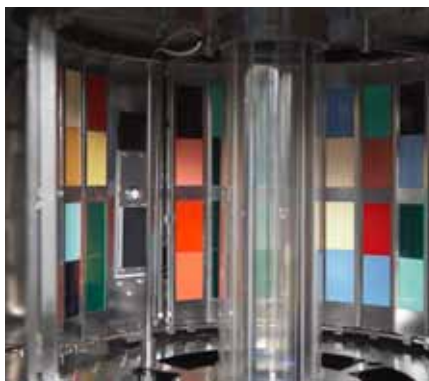




# High Performance Pigments

Highest Quality for Coatings,  
Plastics, Inks & Specialties

**heubach**  
COMPETENCE IN COLOR



**ABOUT US** Heubach is a world leading independent and globally active pigment manufacturer.

A 200 years history of expertise in pigment production combined with ongoing innovations has enabled the outstanding growth of the Heubach group in the last few decades.

After the start up of Heubach's first Indian plant for the production of Phthalocyanine Green pigments in 1995 the second factory for Phthalocyanine Blues followed in 1999. The operation for Indanthrone Blue and brominated Phthalocyanine Green was started in 2001.

The construction of two new state-of-the-art plants for the production of high performance organic pigments was finalized in 2006 enabling the expansion of the organic pigment product portfolio with high performance red, orange and yellow pigments.

Today Heubach's high performance organic pigment portfolio is comprised of Phthalocyanine Blues and Greens, Azo Yellows, Oranges and Reds, Indanthrone Blues, Anthanthrone, DPP and Quinacridone Reds.

## Pigments for Plastics and Powder Coatings

The VYNAMON® range is specifically designed for the coloration of plastics and powder coatings. All of the products provide optimized coloristic, dispersion and fastness properties and can be used in a wide variety of applications.

Heubach provides a complete organic product portfolio for plastics and powder coatings with high performance products including Pigment Blue 60, Pigment Yellow 180 Pigment Yellow 183, Pigment Red 122 and Pigment Red 254.



Product Name / Color Index	Technical Information			Application Fields							Full Shade	Reduction 1:25 TiO <sub>2</sub>
	Specific Surface [m <sup>2</sup> /g] [DIN 6613-2]	Fastness to Migration [DIN EN 14469-4]	Heat Resistance [°C] [1 / 3 SD] [DIN EN 12877-2]	PVC	Polyolefins	Polystyrene	ABS	Polyamide	Polycarbonate	Powder Coatings		
VYNAMON® Blue 501510 Pigment Blue 15:1	67	5	280	●●	●●	●●	●	●●		●		
VYNAMON® Blue 515303 Pigment Blue 15:3	55	5	340	●●	●●	●●	●	●●	●	●●		
VYNAMON® Blue 3R FWN Pigment Blue 60	47	5	320	●●	●●	●●	●	●		●●		
VYNAMON® Green 600734 Pigment Green 7	41	5	300	●●	●●	●●	●●	●	●●	●●		
VYNAMON® Green 6Y FW-C Pigment Green 36	50	5	300	●●	●●	●●	●●	●	●●	●●		
VYNAMON® Yellow 106203 Pigment Yellow 62	21	3	240	●●	●●	●	●					
VYNAMON® Yellow 118001 Pigment Yellow 180	33	5	300	●●	●●	●●	●●	●●	●●	●●		
VYNAMON® Yellow 115002 Pigment Yellow 150	39	5	340	●●	●●	●	●	●				
VYNAMON® Yellow 118303 Pigment Yellow 183	22	5	320	●●	●●	●●	●●		●	●●		
VYNAMON® Yellow 113901 Pigment Yellow 139	33	5	220	●●	●●	●				●●		
VYNAMON® Red 325401 Pigment Red 254	27	5	320	●●	●●	●●	●●			●●		
VYNAMON® Red 312202 Pigment Red 122	67	5	320	●●	●●	●●				●●		

Due to the limitation of printing process, some slight variations between the color as illustrated may be observed.

●● Recommended    ● Potential Use

## Pigments for Coatings

The MONOLITE® / MONASTRAL® portfolio comprises a wide range of organic pigments for coating systems including OEM, Refinish and high-end industrial applications.

Excellent overpainting as well as solvent, weather and light fastness make the high - performance grades such as Pigment Blue 60, Pigment Green 36, Pigment Red 168 and Pigment Red 254 suitable for even the most critical coating systems.

The organic grades with medium levels of fastness are ideally suited for standard formulations. For example, they can be used in combination with the HEUCODUR® - Yellow pigments as lead chrome replacements yielding outstanding hiding power, gloss and chroma.

Product Name / Color Index	Technical Information			Application Fields					Full Shade	Reduction 1:25 TiO <sub>2</sub>
	Specific Surface (m <sup>2</sup> /g) (1000 g/132l)	Fastness to Overpainting	Heat Resistance [°C]	Automotive Coatings	Industrial Coatings	Decorative Coatings	Coil Coatings	Powder Coatings		
MONOLITE® Blue CSN-N Pigment Blue 15:1	65	5 <sup>1)</sup>	190 <sup>3)</sup>	●●	●●	●●				
MONOLITE® Blue 501510 Pigment Blue 15:1	75	5 <sup>1)</sup>	200 <sup>3)</sup>		●●					
MONOLITE® Blue 515303 Pigment Blue 15:3	54	5 <sup>1)</sup>	180 <sup>3)</sup>	●●	●●	●●	●	●		
MONOLITE® Blue 515400 Pigment Blue 15:4	40	5 <sup>1)</sup>	180 <sup>3)</sup>		●●		●●			
MONOLITE® Blue 3RN Pigment Blue 60	36	5 <sup>1)</sup>	200 <sup>3)</sup>	●●	●●	●●	●●			
MONOLITE® Blue 3RXN Pigment Blue 60	77	5 <sup>1)</sup>	200 <sup>3)</sup>	●●	●●	●●	●●			
MONOLITE® Green 600734 Pigment Green 7	47	5 <sup>1)</sup>	200 <sup>3)</sup>	●●	●●	●●	●●	●		
MONOLITE® Green 600735 Pigment Green 7	53	5 <sup>1)</sup>	200 <sup>3)</sup>	●●	●●	●●	●●	●		
MONASTRAL® Green GN-C Pigment Green 7 / Green 36	45	5 <sup>1)</sup>	180 <sup>3)</sup>	●●	●●	●●	●●			
MONASTRAL® Green GNX-C Pigment Green 7 / Green 36	45	5 <sup>1)</sup>	180 <sup>3)</sup>	●●	●●	●●	●●			
MONASTRAL® Green LAG-C Pigment Green 7	44	5 <sup>1)</sup>	200 <sup>3)</sup>	●●	●●	●●	●●			
MONASTRAL® Green GBX-C Pigment Green 7	41	5 <sup>1)</sup>	200 <sup>3)</sup>	●●	●●	●●	●●			
MONASTRAL® Green 6Y-C Pigment Green 36	48	5 <sup>1)</sup>	180 <sup>3)</sup>	●●	●●	●●	●●			

<sup>1)</sup> Pigments were tested in an alkyd/melamine system with 30 minutes baking time at 160 °C.

<sup>2)</sup> Pigments were tested in a 2C-acrylate system with 30 minutes baking time at 80 °C.

<sup>3)</sup> Pigments were tested in an alkyd/melamine system.

<sup>4)</sup> Pigments were tested in a 2C-acrylate system.

<sup>5)</sup> Diarylide pigments should not be used at processing temperatures exceeding 200° C due to potential cleavage to 3,3' - dichlorobenzidine (DCB) under these conditions.



Product Name / Color Index	Technical Information			Application Fields					Full Shade	Reduction 1:25 TiO <sub>2</sub>
	Specific Surface (m <sup>2</sup> /g) (BET)	Fastness to Overpainting	Heat Resistance [°C]	Automotive Coatings	Industrial Coatings	Decorative Coatings	Coil Coatings	Powder Coatings		
MONOLITE® Yellow 100300 Pigment Yellow 3	17	3 - 4 <sup>2)</sup>	140 <sup>4)</sup>		●●	●●				
MONOLITE® Yellow 115101 Pigment Yellow 151	16	5 <sup>1)</sup>	170 <sup>3)</sup>	●●	●●	●●				
MONOLITE® Yellow 107405 Pigment Yellow 74	12	5 <sup>2)</sup>	170 <sup>4)</sup>		●●	●●				
MONOLITE® Yellow 115401 Pigment Yellow 154	11	4 - 5 <sup>1)</sup>	160 <sup>3)</sup>	●●	●●	●●		●		
MONOLITE® Yellow 108303 <sup>5)</sup> Pigment Yellow 83	21	5 <sup>2)</sup>	160 <sup>4)</sup>		●●	●●				
MONOLITE® Yellow 108304 <sup>5)</sup> Pigment Yellow 83	20	5 <sup>2)</sup>	150 <sup>4)</sup>		●●	●●				
MONOLITE® Yellow 113901 Pigment Yellow 139	19	5 <sup>1)</sup>	180 <sup>3)</sup>	●●	●●	●●	●●	●●		
MONOLITE® Orange 200504 Pigment Orange 5	11	3 - 4 <sup>2)</sup>	160 <sup>4)</sup>		●●	●●				
MONOLITE® Red 316801 Pigment Red 168	26	5 <sup>1)</sup>	160 <sup>3)</sup>	●●	●●	●●				
MONOLITE® Red 311205 Pigment Red 112	15	3 <sup>2)</sup>	160 <sup>4)</sup>		●●	●				
MONOLITE® Red 325401 Pigment Red 254	23	5 <sup>1)</sup>	200 <sup>3)</sup>		●●	●●	●	●		
MONOLITE® Red 325402 Pigment Red 254	19	5 <sup>1)</sup>	200 <sup>3)</sup>	●●	●●	●	●●	●		
MONOLITE® Red 312202 Pigment Red 122	66	5 <sup>1)</sup>	180 <sup>3)</sup>	●●	●●	●●	●●	●		
MONOLITE® Red 301901 Pigment Violet 19	74	5 <sup>1)</sup>	200 <sup>3)</sup>	●●	●●	●●	●●			

NEW

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●● Recommended ● Potential Use

## Pigments for Inks

The HEUCO® range represents Heubach's organic pigments for all kind of ink applications.

All products exhibit optimal properties regarding rheology, transparency, gloss and high tinting strength.

The product portfolio is rounded off by specially designed pigments suitable for particularly demanding decorative laminated ink applications.



Product Name / Color Index	Technical Information		Application Fields					Full Shade	Reduction 1:25 TiO <sub>2</sub>
	54	7	●●						
HEUCO® Blue 515303 Pigment Blue 15:3	54	7	●●						
HEUCO® Blue 515306 Pigment Blue 15:3	68	8				●●			
HEUCO® Blue 515400 Pigment Blue 15:4	40	7 - 8		●●					
HEUCO® Green 600734 Pigment Green 7	47	7 - 8	●●		●●	●●			
HEUCO® Green 600735 Pigment Green 7	53	7 - 8	●●		●●	●●			
HEUCO® Yellow 100300 Pigment Yellow 3	17	5	●●		●●	●●			
HEUCO® Yellow 107401 Pigment Yellow 74	25	7	●●		●●	●●			
HEUCO® Yellow 115002 Pigment Yellow 150	94	8				●●	●●		
HEUCO® Orange 200503 Pigment Orange 5	9	5 - 6	●●		●●	●●			
HEUCO® Red 300203 Pigment Red 2	42	4	●●			●●			
HEUCO® Red 300204 Pigment Red 2	51	4	●●		●	●●			
HEUCO® Red 325401 Pigment Red 254	23	6 - 7	●●		●●	●●	●		
HEUCO® Red 317601 Pigment Red 176	54	7 - 8			●	●●	●●		

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●● Recommended ● Potential Use



Specialties

## Smart Solutions for Specialty Applications

Our organic product portfolio also offers solutions for Specialty Applications, such as:

- › Agricultural applications: Seeds, Pesticides, Fertilizers
- › Leather
- › Stationery
- › Wallpapers
- › Latex
- › Textile
- › Wood
- › Viscose
- › Paper
- › Artist Colors

Our technical specialists will assist you to find the perfect match for your needs.

® = Registered trademark of Heubach GmbH (HEUCO®) and Heubach Colour Pvt. Ltd. (MONOLITE®, MONASTRAL® and VYNAMON®).

Our product specific and application information are based upon our current knowledge. They are non-binding and cannot be taken as a guarantee. The processing company must establish the suitability of individual products itself. As their use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in particular applications. In addition to that, the legal rights of third parties must always be considered. The specification agreed between the customer and ourselves is the basis upon which our general sales and delivery conditions are set and is the deciding factor concerning any liabilities. Our standard specification is then valid if no specification has been agreed upon between the customer and ourselves.

[www.heubachcolor.de](http://www.heubachcolor.de)



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