

# ORGANIC PIGMENTS



High Quality Pigments for  
Coatings, Plastics and Inks

**heubach**  
COMPETENCE IN COLOR

# ORGANIC PIGMENTS High Quality Pigments



Heubach is a world leading independent and globally active pigment manufacturer. A 200 year 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 Phthalo 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. Further DPPs, Quinacridones as well as other high performance Naphthols and Benzimidazolones are in the final stage of development and will complement the current portfolio.

In addition APEO-free yellow and blue shade PG 7 which exhibit similar coloristics to our well known Pigment Green grades but have noticeably improved levels of gloss, transparency and brightness were introduced to the market recently.

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## 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 P.R. 254, P.R. 168, P.B. 60 and P.G. 36 suitable for even the most critical coating systems.

The organic grades with medium levels of fastness are ideally suited for cost - effective 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>
MONOLITE® Blue CSN-N Pigment Blue 15:1	65	5 <sup>2)</sup>	190 <sup>4)</sup>	■	■	■					
MONOLITE® Blue 501510 Pigment Blue 15:1	67	5 <sup>3)</sup>	200 <sup>5)</sup>		■						
MONOLITE® Blue 515303 Pigment Blue 15:3	54	5 <sup>3)</sup>	200 <sup>5)</sup>	■	■	■			■		
MONASTRAL® Blue FGXN Pigment Blue 15:4	38	5 <sup>2)</sup>	190 <sup>4)</sup>	■	■	■			■		
MONOLITE® Blue 515400 Pigment Blue 15:4	40	5 <sup>3)</sup>	200 <sup>5)</sup>		■				■		
MONOLITE® Blue 3R Pigment Blue 60	57	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■			■		
MONOLITE® Blue 3RX Pigment Blue 60	44	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■			■		
MONOLITE® Green 600734 Pigment Green 7	47	5 <sup>2)</sup>	220 <sup>4)</sup>	■	■	■			■		
MONOLITE® Green 600735 Pigment Green 7	53	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■			■		
MONASTRAL® Green GN-C Pigment Green 7	45	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■			■		
MONASTRAL® Green GNX-C Pigment Green 7	45	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■			■		
MONASTRAL® Green LAG-C Pigment Green 7	44	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■			■		
MONASTRAL® Green GBX-C Pigment Green 7	41	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■			■		

# ORGANIC PIGMENTS High Quality Pigments



Product Name / Color Index	Technical Information			Application Fields						Full Shade	Reduction 1:25 TiO <sub>2</sub>
	Specific Surface (m <sup>2</sup> /gl)	Fastness to Overpainting	Heat Resistance (°C)	Automotive Coatings	Industrial Coatings	Decorative Coatings	Powder Coatings	Coil Coatings			
MONAstral® Green 3Y-C Pigment Green 36	40	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■		■			
MONAstral® Green 6Y-C Pigment Green 36	48	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■		■			
MONAstral® Green 7Y-C Pigment Green 36	29	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■		■			
MONOLITE® Yellow 100300 Pigment Yellow 3	17	3 - 4 <sup>3)</sup>	140 <sup>5)</sup>		■	■					
MONOLITE® Yellow 107405 Pigment Yellow 74	12	5 <sup>3)</sup>	170 <sup>5)</sup>		■	■					
MONOLITE® Yellow 108303 <sup>9)</sup> Pigment Yellow 83	21	5 <sup>3)</sup>	160 <sup>4)</sup>		■	■					
MONOLITE® Yellow 108304 <sup>9)</sup> Pigment Yellow 83	19	5 <sup>3)</sup>	150 <sup>4)</sup>		■	■					
MONOLITE® Yellow 113901 <sup>9)</sup> Pigment Yellow 139	19	5 <sup>2)</sup>	180 <sup>4)</sup>	■	■	■	■				
MONOLITE® Orange 200503 Pigment Orange 5	9	3 <sup>3)</sup>	140 <sup>5)</sup>		■	■					
MONOLITE® Red 311204 Pigment Red 112	11	3 <sup>3)</sup>	180 <sup>5)</sup>		■	□					
MONOLITE® Red 312201 Pigment Red 122	77	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	■		■			
MONOLITE® Red 316801 Pigment Red 168	26	5 <sup>2)</sup>	140 <sup>4)</sup>	■	■	■					
MONOLITE® Red 317000 Pigment Red 170	28	4 <sup>2)</sup>	160 <sup>4)</sup>		■	■					
MONOLITE® Red 317003 Pigment Red 170	21	5 <sup>2)</sup>	160 <sup>4)</sup>		■	■					
MONOLITE® Red 325401 Pigment Red 254	23	5 <sup>2)</sup>	200 <sup>4)</sup>		■	■					
MONOLITE® Red 325402 Pigment Red 254	19	5 <sup>2)</sup>	200 <sup>4)</sup>	■	■	□		■			

# ORGANIC PIGMENTS High Quality Pigments

## Pigments for Plastics

The VYNAMON® range is specifically designed for the coloration of plastics. 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 with high performance products including PR 254, PR 122, PB 60 and PY 183.



Specific Surface [m <sup>2</sup> /g] <sup>1)</sup>	Fastness to Migration <sup>6)</sup>	Heat Resistance [°C] [1/3 SD] <sup>7)</sup>	PVC	Polyolefins	Polystyrene	ABS	Polyamide	Polycarbonate	Powder Coatings
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Product Name / Color Index	Technical Information			Application Fields							Full Shade	Reduction 1:25 TiO <sub>2</sub>
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	4 - 5	240	■	■	□	□					
VYNAMON® Yellow 118303 Pigment Yellow 183	22	5	320	■	■	■	■		□	■		
VYNAMON® Red 312201 Pigment Red 122	62	5	320	■	■	■	■	□	■	■		
VYNAMON® Red 314400 Pigment Red 144	34	4 - 5	320	■	■	■	□			■		
VYNAMON® Red 316600 Pigment Red 166	24	5	320	■	■	■	□			■		
VYNAMON® Red 317000 Pigment Red 170	28	5	260	■	■					■		
VYNAMON® Red 317003 Pigment Red 170	21	5	260	■	■					■		
VYNAMON® Red 325401 Pigment Red 254	27	5	320	■	■	■	■	■		■		

# ORGANIC PIGMENTS High Quality Pigments

## 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>
HEUCO® Blue 501534 Pigment Blue 15:3	53	7				■				
HEUCO® Blue 515303 Pigment Blue 15:3	54	7	■							
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 314400 Pigment Red 144	34	7	■		■	■				
HEUCO® Red 316600 Pigment Red 166	24	6 - 7	■		■	■				

# ORGANIC PIGMENTS High Quality Pigments



Product Name / Color Index	Technical Information		Application Fields					Full Shade	Reduction 1:25 TiO <sub>2</sub>
HEUCO® Red 317601 Pigment Red 176	54	7 - 8			■	■	■		
HEUCO® Red 325401 Pigment Red 254	23	6 - 7	■		■	■	□		

■ Recommended

□ Potential Use

<sup>1)</sup> DIN EN ISO 66132

<sup>2)</sup> Pigments were tested in an alkyd/melamine system with 30 minutes baking time at 160 °C

<sup>3)</sup> Pigments were tested in an 2C-acrylate system with 30 minutes baking time at 80 °C

<sup>4)</sup> Pigments were tested in alkyd/melamine system.

<sup>5)</sup> Pigments were tested in 2C-acrylate system.

<sup>6)</sup> DIN EN ISO 14469-4

<sup>7)</sup> DIN EN ISO 12877-2

<sup>8)</sup> DIN EN ISO 105-B01

<sup>9)</sup> Diarylide pigments should not be used at processing temperatures exceeding 200° C due to potential cleavage to 3,3' - dichlorobenzidine (3,3' - DCB) under these conditions

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