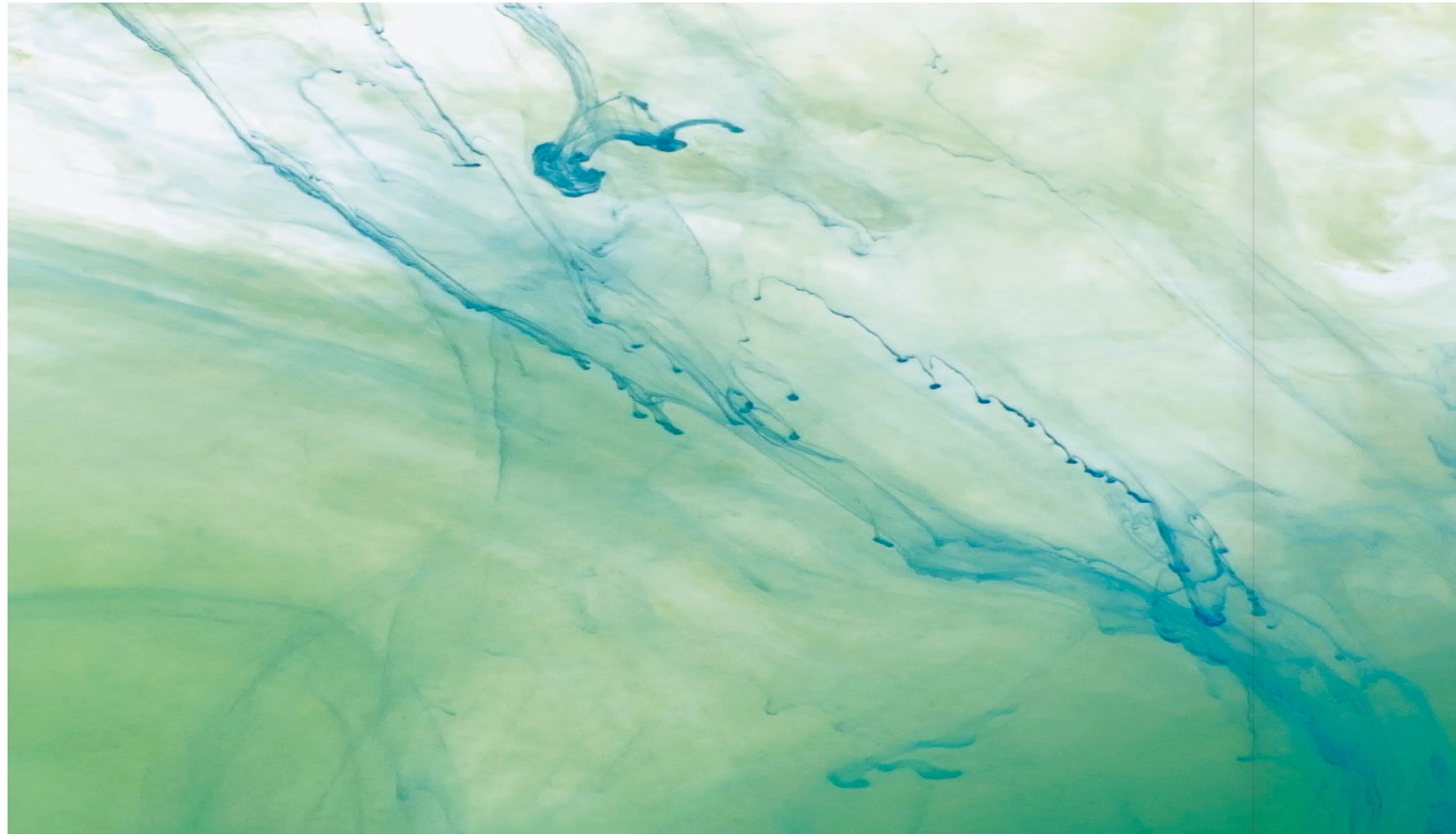


**HEUCOSPERSE™ & MICROSUPERSE™
WATER BASED PIGMENT DISPERSIONS
FOR THE PRINTING INK INDUSTRY**



ABOUT US



Heubach combines manufacturing, global access to high-performance pigments and downstream processing into preparations for various applications. Backwards integration into organic and inorganic pigments results in economic and high quality pigment preparations.

Our extensive pigment know how, as well as decades of experience in development and production of pigment preparations, supported through our global market presence is a major guarantee to produce high quality pigment preparations.



FLEXIBLE PIGMENT SOLUTIONS FOR PRINT

Heubach produces organic pigments and pigment preparations for a wide range of printing inks including offset inks, publication gravure inks, solvent based packaging inks, water based packaging inks and decorative laminate inks.

Offering increased flexibility, Heubach pigment preparations streamline processes and the manufacturing cycle of water based liquid inks, enabling you to respond quickly to customer demands without compromising quality or performance.

Water based inks provide an ideal solution for sensitive applications such as those involving food. Aside from the environmental benefits, using water also helps streamline the manufacturing process at the printer's site. Heubach's extensive range of HEUCOSPERSE™ and MICROSUPERSE™ pigment preparations not only meet these demands but also offer excellent gloss, high tinting strength, broad compatibility and outstanding transparency.

HEUCOSPERSE™ I

The original high quality resinated dispersion line formulated for a variety of paper and film packaging applications.

COMPOSITION:

- Pigment (average 35%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment to Styrenated Acrylic Resin (Ratio of 4:1)
- No Surfactants, Wetting Agents, Defoamers or Additives

ADVANTAGES:

- Broad Compatibility
- Extensive Pigment Selection
- Excellent Strength, Gloss & Transparency
- Controlled Color Consistency
- Stir-in



FULL SHADE	COLOR INDEX	PRODUCT	PIGMENT CLASS	PIGMENTATION
	Pigment Yellow 74	HEUCOSPERSE™ - I YS 1321	Arylide Yellow	35%
	Pigment Yellow 14	HEUCOSPERSE™ - I YS 1340	Diarylide Yellow AAOT	38%
	Pigment Yellow 83	HEUCOSPERSE™ - I YS 1310	Diarylide Yellow HR	30%
	Pigment Yellow 83	HEUCOSPERSE™ - I YS 1311	Diarylide Yellow HR	26%
	Pigment Orange 16	HEUCOSPERSE™ - I OS 1230	Dianisidine Orange	35%
	Pigment Orange 34	HEUCOSPERSE™ - I OS 1235	Diarylide Orange	35%
	Pigment Red 48:2	HEUCOSPERSE™ - I RS 1170	Calcium Red 2B	33%
	Pigment Red 22	HEUCOSPERSE™ - I RS 1190	Naphthol Red YS	35%
	Pigment Red 48:3	HEUCOSPERSE™ - I RS 1110	Strontium Red 2B	33%
	Pigment Red 2	HEUCOSPERSE™ - I RS 1135	Naphthol Red MS	35%
	Pigment Red 23	HEUCOSPERSE™ - I RS 1140	Naphthol Red BS	35%
	Pigment Red 57:1	HEUCOSPERSE™ - I RS 1156	Lithol Rubine - Heat Stable	33%
	Pigment Red 169	HEUCOSPERSE™ - I RS 1120	Rhodamine YS-CFA	30%
	Pigment Red 81:3	HEUCOSPERSE™ - I RS 1123	Rhodamine YS-SMA	35%
	Pigment Violet 2	HEUCOSPERSE™ - I RS 1126	Rhodamine BS	35%
	Pigment Red 122	HEUCOSPERSE™ - I RS 1115	Quinacridone Magenta	33%
	Pigment Violet 23	HEUCOSPERSE™ - I VS 1620	Carbazole Violet	35%
	Pigment Blue 15	HEUCOSPERSE™ - I BS 1520	Phthalocyanine Blue R/S	35%
	Pigment Blue 15:3	HEUCOSPERSE™ - I BS 1570	Phthalocyanine Blue G/S	35%
	Pigment Blue 15:3	HEUCOSPERSE™ - I BS 1572	Phthalocyanine Blue	35%
	Pigment Blue 15:3	HEUCOSPERSE™ - I BS 1573	Phthalocyanine Blue G/S	35%
	Pigment Blue 61	HEUCOSPERSE™ - I BS 1507	Alkali Blue R/S	35%
	Pigment Green 7	HEUCOSPERSE™ - I GS 1450	Phthalocyanine Green	35%
	Pigment Black 7	HEUCOSPERSE™ - I KS 1720	Carbon Black	34%

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

HEUCOSPERSE™ II





This pH neutral resin-based dispersion series offers exceptional stability and low odor for certain discriminating pressroom environments.

COMPOSITION:

- Pigment (average 35%)
- Acrylic Resin
- Water
- Pigment to Resin (Ratio of 4:1)

ADVANTAGES:

- Broad Compatibility
- Excellent Strength, Gloss and Transparency
- Low Odor for Ink Manufacturers and Converters
- Excellent Rheological Properties and pH Stability
- Controlled Color Consistency
- Stir-in

FULL SHADE	COLOR INDEX	PRODUCT	PIGMENT CLASS	PIGMENTATION
	Pigment Yellow 14	HEUCOSPERSE™ - II YS 2340	Diarylide Yellow AAOT	35%
	Pigment Red 57:1	HEUCOSPERSE™ - II RS 2156	Lithol Rubine HS	33%
	Pigment Red 57:1	HEUCOSPERSE™ - II RS 2157	Lithol Rubine HS/YS	36%
	Pigment Black 7	HEUCOSPERSE™ - II KS 2722	Carbon Black	35%

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

HEUCOSPERSE™ III











Designed to rival "chip quality" this resinated series is ideal for high quality applications, including foil printing, where maximum transparency and high gloss are required.

COMPOSITION:

- Pigment (average 25%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment to Styrenated Acrylic (Ratio of 3:2)
- No Surfactants, Wetting Agents, Defoamers or Additives

ADVANTAGES:

- Broad Compatibility
- Extensive Pigment Selection
- Controlled Color Consistency
- Excellent Transfer
- Excellent Gloss & Transparency
- Excellent Shock Resistance
- Stir-in

FULL SHADE	COLOR INDEX	PRODUCT	PIGMENT CLASS	PIGMENTATION
	Pigment Yellow 74	HEUCOSPERSE™ - III YS 5320	Mono Arylide Yellow	25%
	Pigment Yellow 83	HEUCOSPERSE™ - III YS 5310	Diarylide Yellow HR	25%
	Pigment Yellow 83	HEUCOSPERSE™ - III YS 5311	Diarylide Yellow HR	25%
	Pigment Red 48:2	HEUCOSPERSE™ - III RS 5170	Calcium Red 2B	25%
	Pigment Red 57:1	HEUCOSPERSE™ - III RS 5156	Lithol Rubine	26%
	Pigment Violet 23	HEUCOSPERSE™ - III VS 5620	Carbazole Violet	25%
	Pigment Blue 15	HEUCOSPERSE™ - III BS 5520	Phthalocyanine Blue R/S	25%
	Pigment Blue 15:3	HEUCOSPERSE™ - III BS 5570	Phthalocyanine Blue G/S	25%
	Pigment Green 7	HEUCOSPERSE™ - III GS 5450	Phthalocyanine Green	25%
	Pigment Black 7	HEUCOSPERSE™ - III KS 5720	Carbon Black	25%

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

HEUCOSPERSE™ 8000






This pre-stabilized resin containing product line delivers excellent shock resistance when blended with a wide variety of ink vehicles, making it an ideal choice for pressroom dispensing units.

COMPOSITION:

- Pigment (average 25%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment To Styrenated Acrylic Resin (Ratio of 3:2)

ADVANTAGES:

- Broad Compatibility
- Excellent Shock Resistance
- Excellent Gloss & Transparency
- Controlled Color Consistency
- Ideal For Ink Room Dispensing Units
- Stir-in

FULL SHADE	COLOR INDEX	PRODUCT	PIGMENT CLASS	PIGMENTATION
	Pigment Orange 16	HEUCOSPERSE™ - 8000 OS 8230	Dianisidine Orange	28%
	Pigment Red 169	HEUCOSPERSE™ - 8000 RS 8120	Rhodamine YS	25%
	Pigment Red 2	HEUCOSPERSE™ - 8000 RS 8135	Naphtol Red MS	26%
	Pigment Red 23	HEUCOSPERSE™ - 8000 RS 8140	Naphtol Red BS	28%
	Pigment Red 57:1	HEUCOSPERSE™ - 8000 RS 8156	Lithol Rubine HS	25%

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HEUCOSPERSE™ 9000

This versatile resinated series is ideal for both paper and film packaging applications, while offering excellent economic value and a wide color selection.

COMPOSITION:

- Pigment (average 35%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment to Styrenated Acrylic Resin (Ratio of 4:1)

ADVANTAGES:

- Broad Compatibility
- Controlled Color Consistency
- Excellent Opacity and Mileage on Porous substrates
- Economic Solution for Kraft, Corrugated, Multiwall Bags, Gift Wrap & Newsprint
- Stir-in



FULL SHADE	COLOR INDEX	PRODUCT	PIGMENT CLASS	PIGMENTATION
	Pigment White 6	HEUCOSPERSE™ - WS 9000	Titanium Dioxide	70%
	Pigment Yellow 14	HEUCOSPERSE™ - 9000 YS 9342	Diarylide Yellow AAOT	35%
	Pigment Yellow 14	HEUCOSPERSE™ - 9000 YS 9345	Diarylide Yellow AAOT	30%
	Pigment Orange 5	HEUCOSPERSE™ - 9000 OS 9271	DNA Orange	37%
	Pigment Red 48:1	HEUCOSPERSE™ - 9000 RS 9173	Barium Red 2B	33%
	Pigment Red 48:2	HEUCOSPERSE™ - 9000 RS 9170	Calcium Red 2B	33%
	Pigment Red 49:1	HEUCOSPERSE™ - 9000 RS 9188	Barium Lithol	31%
	Pigment Red 22	HEUCOSPERSE™ - 9000 RS 9190	Naphthol Red YS	37%
	Pigment Red 269	HEUCOSPERSE™ - 9000 RS 9238	Naphthol Red Rubine Shade	35%
	Pigment Red 2	HEUCOSPERSE™ - 9000 RS 9135	Naphthol Red MS	36%
	Pigment Red 57:1	HEUCOSPERSE™ - 9000 RS 9153	Lithol Rubine-Heat Stable	33%
	Pigment Red 57:1	HEUCOSPERSE™ - 9000 RS 9156	Lithol Rubine- Heat Stable	33%
	Pigment Red 49:2	HEUCOSPERSE™ - 9000 RS 9161	Calcium Lithol BS	35%
	Pigment Red 169	HEUCOSPERSE™ - 9000 RS 9120	Rhodamine Red	32%
	Pigment Violet 23	HEUCOSPERSE™ - 9000 VS 9620	Carbazole Violet	35%
	Pigment Violet 27	HEUCOSPERSE™ - 9000 VS 9660	Methyl Violet CFA	30%
	Pigment Violet 3	HEUCOSPERSE™ - 9000 VS 9669	Methyl Violet PTMA	27%
	Pigment Blue 79	HEUCOSPERSE™ - 9000 BS 9579	Aluminum Blue	35%
	Pigment Blue 15	HEUCOSPERSE™ - 9000 BS 9520	Phthalocyanine Blue R/S	37%
	Pigment Blue 16	HEUCOSPERSE™ - 9000 BS 9516	Phthalocyanine Blue (Low Copper)	30%
	Pigment Blue 15:3	HEUCOSPERSE™ - 9000 BS 9571	Phthalocyanine Blue G/S	35%
	Pigment Blue 15:3	HEUCOSPERSE™ - 9000 BS 9590	Phthalocyanine Blue G/S	45%
	Pigment Blue 15:3	HEUCOSPERSE™ - 9000 BS 9593	Phthalocyanine Blue G/S	40%
	Pigment Green 7	HEUCOSPERSE™ - 9000 GS 9450	Phthalocyanine Green	35%
	Pigment Black 7	HEUCOSPERSE™ - 9000 KS 9720	Carbon Black	43%
	Pigment Black 7	HEUCOSPERSE™ - 9000 KS 9722	Carbon Black	37%

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

MICROSPERSE™








This product grouping offers exceptional quality and transparency for higher end printing applications.

COMPOSITION:

- Pigment (average 35%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment To Styrenated Acrylic Resin (Ratio of 3:1)

ADVANTAGES:

- Broad Compatibility
- Ultimate Gloss & Transparency
- Controlled Color Consistency
- Low Viscosity/High Pigment Loading
- Ideal for Higher Line Anilox Rolls
- Stir-in

FULL SHADE	COLOR INDEX	PRODUCT	PIGMENT CLASS	PIGMENTATION
	Pigment Yellow 14	MICROSPERSE™ - YMW 1403	Diarylide Yellow	31%
	Pigment Red 2	MICROSPERSE™ - RMW 0201	Naphthol MS	40%
	Pigment Red 22	MICROSPERSE™ - RMW 2205	Naphthol Y/S	38%
	Pigment Red 57:1	MICROSPERSE™ - RMW 5715	Lithol Rubine - Heat Stable	33%
	Pigment Blue 15:3	MICROSPERSE™ - BMW 1535	Phthalocyanine Blue G/S	35%
	Pigment Green 7	MICROSPERSE™ - GMW 0702	Phthalocyanine Green	40%
	Pigment Black 7	MICROSPERSE™ - KMW 7001	Carbon Black	33%

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MICROSPERSE™ PLUS


















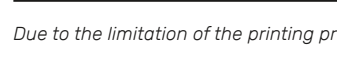

Ideal for the Narrow Web Label Market, Microperse™ Plus provides the ink maker with a highly pigmented and trans-parent formulating solution to meet the rigorous demands of the highest quality Flexo converter.

COMPOSITION:

- Pigment (up to 45%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment To Styrenated Acrylic Resin (Ratio of 6:1)

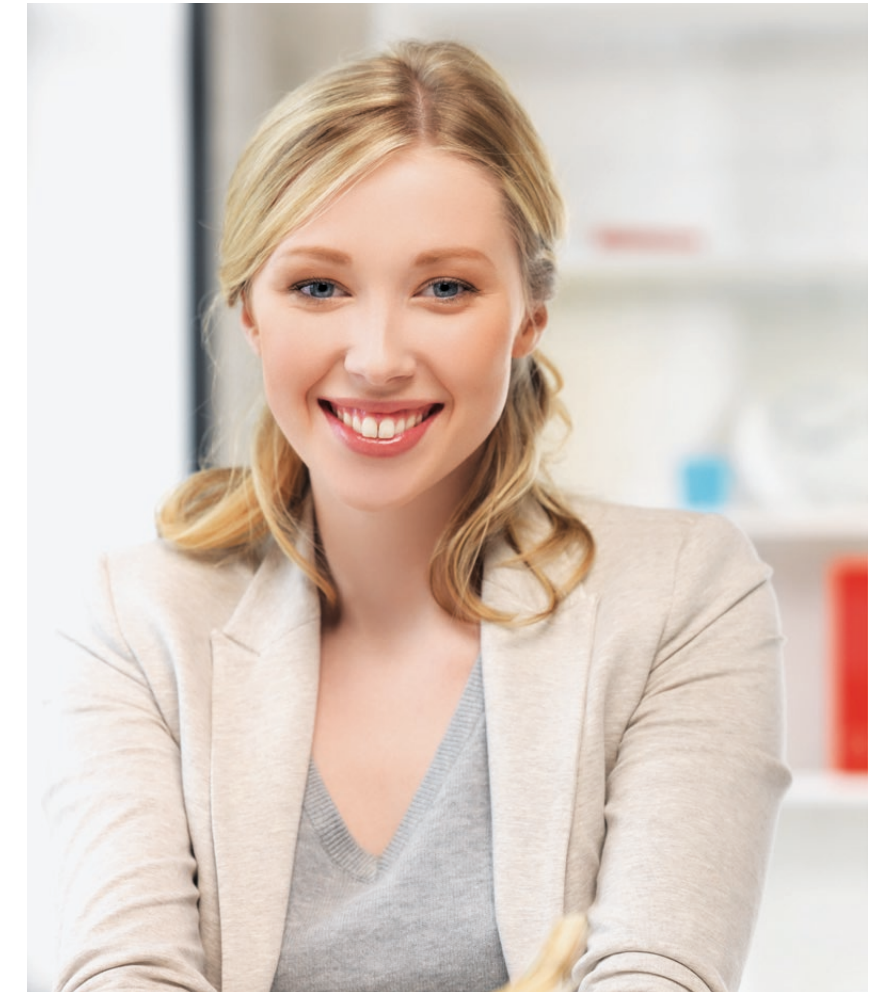
ADVANTAGES:

- Broad Compatibility
- Ultimate Strength, Gloss & Transparency
- Controlled Color Consistency
- Low Viscosity/High Pigment Loading
- Ideal for Higher Line Anilox Rolls
- Stir-in

FULL SHADE	COLOR INDEX	PRODUCT	PIGMENT CLASS	PIGMENTATION
	Pigment White 6	MICROSPERSE™ PLUS - WMP 6000	Titanium Dioxide	61%
	Pigment Yellow 14	MICROSPERSE™ PLUS - YMP 1401	Diarylide Yellow AAOT	45%
	Pigment Yellow 14	MICROSPERSE™ PLUS - YMP 1403	Diarylide Yellow AAOT	45%
	Pigment Yellow 74	MICROSPERSE™ PLUS - YMP 7401	Arylide Yellow G/S	45%
	Pigment Orange 5	MICROSPERSE™ PLUS - OMP 0500	DNA Orange	40%
	Pigment Red 2	MICROSPERSE™ PLUS - RMP 0201	Naphthol Red MS	45%
	Pigment Red 49:1	MICROSPERSE™ PLUS - RMP 4910	Barium Lithol	40%
	Pigment Red 22	MICROSPERSE™ PLUS - RMP 2205	Naphthol Red YS	45%
	Pigment Red 269	MICROSPERSE™ PLUS - RMP 2381	Naphthol Red	40%
	Pigment Red 57:1	MICROSPERSE™ PLUS - RMP 5701	Lithol Rubine	40%
	Pigment Red 254	MICROSPERSE™ PLUS - RMP 2540	DPP Red	48%
	Pigment Red 81:3	MICROSPERSE™ PLUS - RMP 8130	Rhodamine YS-SMA	45%
	Pigment Violet 3	MICROSPERSE™ PLUS - VMP 0301	Methyl Violet-PTMA	45%
	Pigment Violet 27	MICROSPERSE™ PLUS - VMP 2700	Methyl Violet-CFA	40%
	Pigment Blue 15	MICROSPERSE™ PLUS - BMP 1500	Phthalocyanine Blue R/S	45%
	Pigment Blue 15:3	MICROSPERSE™ PLUS - BMP 1530	Phthalocyanine Blue G/S	45%
	Pigment Green 36	MICROSPERSE™ PLUS - GMP 3601	Copper Phthalocyanine Green	48%
	Pigment Green 7	MICROSPERSE™ PLUS - GMP 0701	Phthalocyanine Green	45%
	Pigment Black 7	MICROSPERSE™ PLUS - KMP 7000	Carbon Black	45%

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OUR SERVICE



At Heubach, customer satisfaction comes first. As a supplier of high quality pigment and pigment preparation solutions we support our customers anywhere where pigments are in use.

With technical service centers both globally and regionally we provide our customers with the support essential for the implementation of customer-specific requirements and solutions.

Fully equipped technical laboratories and centers enable us to carry out tests for all relevant applications, such as printing inks, paints and coatings, including corrosion protection, coil and powder coatings and plastics. Custom-tailored color adjustments play a significant role in a wide variety of applications.

We have extensive expertise in the development of colors for a variety of ink applications. Depending on fastness properties, application or processing requirements, we can deliver the right color for your application.





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