

Helio Beit® Pigment concentrates  
Helio Beit® UN - series



**HELIO BEIT**   
Pigmentpastes

Your aid in modern  
industrial paint production

UN

# Technical data sheet: Helio Beit® UN-series

**Product type**      **Pigment pastes based on a thermoplastic acrylic resin**

**Properties**      The Helio Beit® UN-Series is a range of readily to use pigment pastes for easy use in a large number of solvent-based one- and two-pack coating systems. The pastes are especially suitable for use in dispensing equipment, particularly in combination with base-paint systems.

The UN-series is designed to offer the following features:

- Excellent stability
- High colour strength
- High fastnesses
- Excellent compatibility
- Free-flowing
- Pumpable
- Dispensable

**Applications**      Based on the range of suitability UN-Series is used in following paint systems:

- Industrial coatings
- Corrosion protection coatings
- Wood- and furniture coatings
- Metal coatings
- Plastic coatings
- Coil-Coatings
- High Solid coatings
- 100% systems
- Effect coatings
- Refinish paints

Products are used in 1- or 2-component air- and forced drying systems. Use in air-drying and stoving applications is also recommended. There are nearly no limits to your creativity.

**Service**

- Compatibility tests
- Starting formulations
- Exceeded compatibility tests
- Optimising of production processing
- Development of basecoat-paste-systems
- Custom tailored solutions
- Database for colourcalculating
- Contact to manufacturers of colour measuring equipment
- Contact to manufacturers of dispensing equipment

To enable you to work with UN-series in your coating systems immediately we offer database for Datacolor and Konica Minolta equipment for a small licence fee. After feeding database of your basecoat system into the computer you can start formulating colourshades directly.

We´ll respond to your questions immediately.

# Technical data sheet: Helio BeIt® UN - series



## Pigment data\*

Name	Type	Colour Index Number		Content %	Heat resistance °C	Lightfastness			Acid/base resistance		Recoat-ability	Name
		Generic Name	Chemical Index Nr.			pur	1:1	1:10	H+	OH-		
Helio BeIt®												Helio BeIt®
UN 101	Rutile Titanium Dioxide	PW 6	/ 77891	63	1000	8	8	8	+	+	5	UN 101
UN 204	Synthetic Iron Oxide Yellow	PY 42	/ 77492	48	180	8	8	8	+	+	5	UN 204
UN 205	Nickel Titanium Yellow	PY 53	/ 77788	63	1000	8	7	7	+	+	5	UN 205
UN 206	Arylide Yellow	PY 74	/ 11741	25	120	8	7	6	+	+	3	UN 206
UN 207	Benzimidazolone Yellow	PY 151	/ 13980	30	200	8	8▲	7-8△	+	○	5	UN 207
UN 208	Chinophthalone Yellow	PY 138	/ 56300	32	200	7-8	8▲	7-8△	+	+	5	UN 208
UN 209	Chrom Titanium Orange	PBr 24	/ 77310	62	1000	8	7▲	7△	+	+	5	UN 209
UN 210	Transparent Iron Oxide Yellow	PY 42	/ 77492	30	160	8	8	8	+	+	5	UN 210
UN 211	Bismuth Vanadate Yellow	PY 184	/ --	60	200	8	8	8	+	+	5	UN 211
UN 216	Isoindoline Yellow	PY 139	/ 56298	35	200	8	8▲	8△	+	+	5	UN 216
UN 218	Disazo Pigment	PY 83	/ 21108	35	200	6-7	6▲	4-5△	+	+	5	UN 218
UN 219	Transparent Disazopigment	PY 83	/ 21108	13	200	6-7	6▲	4-5△	+	+	5	UN 219
UN 301	Diketo-Pyrrolo-Pyrrole	PR 255	/ --	23	200	8	8	8	+	+	5	UN 301
UN 302	Synthetic Iron Oxide Red	PR 101	/ 77491	65	500	8	8	8	+	+	5	UN 302
UN 303	Naphthol AS Red	PR 112	/ 12370	23	180	7-8	6-7	6	+	+	3	UN 303
UN 304	Diarylide Yellow	PO 13	/ 21110	24	180	3-4	3▲	2△	+	+	3	UN 304
UN 305	Chinacridone Red	PR 122	/ 73915	13	200	7-8	8	7-8	+	+	5	UN 305
UN 307	Pyrazolo-Chinazolone	PO 67	/ 12915	30	200	4-5	3▲	2△	+	+	3	UN 307
UN 308	Naphthol AS Red	PR 170	/ 12475	30	160	7	6▲	5△	+	+	5	UN 308
UN 310	Transparent Iron Oxide Red	PR 101	/ 77491	30	300	8	8▲	8△	+	+	5	UN 310
UN 312	Synthetic Iron Oxide Red	PR 101	/ 77491	65	500	8	8	8	+	+	5	UN 312
UN 313	Synthetic Iron Oxide Red	PR 101	/ 77491	55	500	8	8	8	+	+	5	UN 313
UN 315	BON-Marron	PR 52:2	/ 15860:2	20	150	7-8	4▲	3-4△	-	+	5	UN 315
UN 316	Perylene Red	PR 178	/ 71155	25	350	8	7▲	6-7△	+	+	5	UN 316
UN 317	Transp. Diketo-Pyrrolo-Pyrrole	PR 264	/ --	14	200	8	8▲	8△	+	+	5	UN 317
UN 319	Transparent Perylene Red	PR 179	/ 71130	13	300	7	7-8▲	6-7△	+	+	5	UN 319
UN 324	Diketo-Pyrrolo-Pyrrole	PR 254	/ 56110	30	200	8	8▲	8△	+	+	5	UN 324
UN 326	Benzimidazolone Orange	PO 36	/ 11780	30	160	8	8	7-8	+	+	5	UN 326
UN 333	Anthracinone Red	PR 177	/ 65300	18	200	8	7▲	6-7△	+	+	5	UN 333
UN 401	Dioxazine Violett	PV 23	/ 51319	12	180	7	7-8▲	7-8△	+	+	5	UN 401
UN 404	Chinacridone Red	PV 19	/ 46500	18	200	7-8	8▲	7-8△	+	+	5	UN 404
UN 500	Ultramarine Blue	PB 29	/ 77007	60	400	8	8	8	○	+	5	UN 500
UN 504	Phthalocyanine Blue	PB 15:2	/ 74160	15	200	8	8	8	+	+	5	UN 504
UN 505	Phthalocyanine Blue	PB 15:6	/ 74160	23	200	8	8	8	+	+	5	UN 505
UN 508	Indanthron Blue	PB 60	/ 69800	20	200	8	8▲	8△	+	+	5	UN 508
UN 510	Phthalocyanine Blue	PB 15:4	/ 74160	20	200	8	8▲	8△	+	+	5	UN 510
UN 511	Phthalocyanine Blue	PB 15:1	/ 74160	17,5	200	8	8	8	+	+	5	UN 511

# Technical data sheet: Helio Beit® UN - series

Name	Type	Colour Index Number		Content %	Heat resistance °C	Lightfastness			Acid/base resistance		Recoat-ability	Name
		Generic Name	Chemical Index Nr.			pur	1:1	1:10	H+	OH-		
Helio Beit®												Helio Beit®
<b>UN 601</b>	Phthalocyanine Green	PG 7	/ 74260	25	200	8	8	8	+	+	5	<b>UN 601</b>
<b>UN 602</b>	Chrome Oxide Green	PG 17	/ 77288	63	1000	8	8	8	+	+	5	<b>UN 602</b>
<b>UN 603</b>	Phthalocyanine Green	PG 36	/ 74265	22	200	8	8▲	8△	+	+	5	<b>UN 603</b>
<b>UN 904</b>	Furnace Black RCC	PBk 7	/ 77266	19	300	8	8	8	+	+	5	<b>UN 904</b>
<b>UN 905</b>	Lamp Black	PBk 7	/ 77266	25	300	8	8	8	+	+	5	<b>UN 905</b>
<b>UN 907</b>	Furnace Black HCF	PBk 7	/ 77266	12	300	8	8	8	+	+	5	<b>UN 907</b>

\* According to manufacturers data

▲ 1/3 Standard colour intensity + good  
 △ 1/25 Standard colour intensity ○ satisfactory  
 - unsuitable

## Use

The Helio Beit® UN-series pastes should be mixed in slowly by stirring.

## Addition levels

Addition rates of up to 10% are usually not critical. When higher rates are used for full tone pigmentation, adequate preliminary testing should be carried out.

## Packaging and storage

Helio Beit® UN-series are supplied in standard 25 kg kegs. Additional packagings are, depending on density, ~180 kg drums and ~1.000 kg IBICs.

With proper storage between +5° and 25°C, the pigment concentrates have a shelf life of 12 months.

## PP.UN.03.15.GB

The information contained herein is offered for the guidance of the user; recommendations and suggestions are, however, made without warranty. The here given data are typical ones. Product data sheet, safety data sheet and specification of pastes you can retrieve at our customer service.

This data sheet supersedes all previous issues.

