

Helio Beit® Pigment concentrates
Helio Beit® UL-series



HELIO BEIT 
Pigmentpastes

Your aid in modern
industrial paint production

UL

Technical data sheet: Helio Beit® UL-series

Product type **Pigment pastes based on aldehyde resin**

Properties The Helio Beit® UL-series is a range of readily incorporated pigment pastes for easy use in a large number of solvent-based coating systems and shows a wide compatibility with a lot of resins. Stable pigmentconcentrates with high colour-strength means low addition rates. The products are free of aromatic solvents. The pastes are especially suitable for use in dispensing equipment, particularly in combination with base paint systems.

The UL-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 UL-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
- Contact to manufacturers of colour measuring equipment
- Contact to manufacturers of dispensing equipment

To enable you to work with UL-series in your coating systems immediately we offer a database for Datacolor and Gretag-Macbeth 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.

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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®
UL 101	Rutile Titanium Dioxide	PW 6	/ 77891	63	1000	8	8	8	+	+	5	UL 101
UL 204	Synthetic Iron Oxide Yellow	PY 42	/ 77492	40	180	8	8	8	+	+	5	UL 204
UL 206	Arylide Yellow	PY 74	/ 11741	25	120	8	7	6	+	+	2	UL 206
UL 208	Chinophthalone Yellow	PY 138	/ 56300	30	200	7-8	8▲	7-8△	+	+	5	UL 208
UL 210	Transparent Iron Oxide Yellow	PY 42	/ 77492	30	160	8	8	8	+	+	5	UL 210
UL 211	Bismuth Vanadate Yellow	PY 184	/ --	55	200	8	8	8	+	+	5	UL 211
UL 216	Isoindoline Yellow	PY 139	/ 56298	35	200	8	8▲	8△	+	+	5	UL 216
UL 301	Diketo-Pyrrolo-Pyrrole	PR 255	/ --	23	200	8	8	8	+	+	5	UL 301
UL 302	Synthetic Iron Oxide Red	PR 101	/ 77491	63	500	8	8	8	+	+	5	UL 302
UL 303	Naphthol AS Red	PR 112	/ 12370	23	180	7-8	6-7	6	+	+	3	UL 303
UL 304	Diarylide Yellow	PO 13	/ 21110	23	180	4-5	4▲	2△	+	+	3	UL 304
UL 305	Chinacridone Red	PR 122	/ 73915	13	200	7-8	8	7-8	+	+	5	UL 305
UL 307	Pyrazolo-Chinazolon	PO 67	/ 12915	30	200	4-5	3▲	2△	+	+	3	UL 307
UL 310	Transparent Iron Oxide Red	PR 101	/ 77491	30	300	8	8	8	+	+	5	UL 310
UL 315	BON-Marron	PR 52:2	/ 15860:2	18	150	7-8	4▲	3-4△	-	+	5	UL 315
UL 316	Perylene Red	PR 178	/ 71155	28	350	8	7▲	6-7△	+	+	5	UL 316
UL 326	Benzimidazolone Orange	PO 36	/ 11780	30	160	8	8	7-8	+	+	5	UL 326
UL 401	Dioxazine Violet	PV 23	/ 51319	12	180	7	7-8▲	7-8△	+	+	5	UL 401
UL 404	Chinacridone Red	PV 19	/ 46500	18	200	7-8	8▲	7-8△	+	+	5	UL 404
UL 500	Ultramarine Blue	PB 29	/ 77007	50	400	8	8	8	○	+	5	UL 500
UL 504**	Phthalocyanine Blue	PB 15:2	/ 74160	20	200	8	8	8	+	+	5	UL 504**
UL 505	Phthalocyanine Blue	PB 15:6	/ 74160	20	200	8	8	8	+	+	5	UL 505
UL 508	Indanthron Blue	PB 60	/ 69800	20	200	8	8▲	8△	+	+	5	UL 508
UL 510	Phthalocyanine Blue	PB 15:4	/ 74160	20	200	8	8▲	8△	+	+	5	UL 510
UL 511	Phthalocyanine Blue	PB 15:1	/ 74160	15	200	8	8	8	+	+	5	UL 511
UL 601	Phthalocyanine Green	PG 7	/ 74260	25	200	8	8	8	+	+	5	UL 601
UL 602	Chrome Oxide Green	PG 17	/ 77288	63	1000	8	8	8	+	+	5	UL 602
UL 904	Furnace Black RCC	PBk 7	/ 77266	20	300	8	8	8	+	+	5	UL 904
UL 905	Lamp Black	PBk 7	/ 77266	22	300	8	8	8	+	+	5	UL 905
UL 907	Furnace Black HCF	PBk 7	/ 77266	12	300	8	8	8	+	+	5	UL 907

* According to manufacturers data

** small part of organic solvent

▲ 1/3 Standard colour intensity
△ 1/25 Standard colour intensity

+ good
○ satisfactory
- unsuitable

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First Class in Pigmentpastes

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Use The Helio Beit[®] UL-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[®] UL-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.

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The information contained herein is offered for the guidance of the user; recommendations and suggestions are, however, made without warranty.

This data sheet supersedes all previous issues.