

Helio Beit[®] Pigment concentrates
Helio Beit[®] LW-series



HELIO BEIT 
Pigmentpastes

Your aid in modern
industrial paint production

LW

Technical data sheet: Helio Beit[®] LW - series

Product type **Pigment pastes, based on a special combination of waterreducible resins**

Properties The Helio Beit[®] LW-series is a range of readily incorporated pigment pastes for easy use in waterbased coating systems. This series offers good compatibility in a wide range of resins. Stable pigmentconcentrates with high colourstrength means low addition rates. Except some special types the products are free of solvents. LW-series is stable over a wide pH range and especially suitable for use in dispensing equipment in combination with base paint systems.

The LW-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 LW-Series is used in following paint systems:

- Industrial coatings
- Corrosion protection coatings
- Wood- and furniture coatings
- Architectural coatings
- Refinish paints
- Metal- and plastic coatings
- Effect coatings
- VOC-free systems

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 LW-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®
LW 101	Rutile Titanium Dioxide	PW 6	/ 77891	60	1000	8	8	8	+	+	5	LW 101
LW 204	Synthetic Iron Oxide Yellow	PY 42	/ 77492	40	180	8	8	8	+	+	5	LW 204
LW 206	Arylide Yellow	PY 74	/ 11741	33	120	8	7	6	+	+	2	LW 206
LW 208	Chinophthalone Yellow	PY 138	/ 56300	36	200	7-8	8▲	7-8△	+	+	5	LW 208
LW 209	Chrome Titanium Orange	PBr 24	/ 77310	55	1000	8	7▲	7△	+	+	5	LW 209
LW 210	Transparent Iron Oxide Yellow	PY 42	/ 77492	25	160	8	8	8	+	+	5	LW 210
LW 211**	Bismuth Vanadate Yellow	PY 184	/ --	50	200	8	8	8	+	+	5	LW 211**
LW 216	Isoindoline Yellow	PY 139	/ 56298	25	200	8	8▲	8△	+	+	5	LW 216
LW 301	Diketo-Pyrrolo-Pyrrole	PR 255	/ --	34	200	8	8	8	+	+	5	LW 301
LW 302	Synthetic Iron Oxide Red	PR 101	/ 77491	58	500	8	8	8	+	+	5	LW 302
LW 303**	Naphthol AS Red	PR 112	/ 12370	37,5	180	7-8	6-7▲	6△	+	+	3	LW 303**
LW 305	Chinacridone Red	PR 122	/ 73915	25	200	7-8	8	7-8	+	+	5	LW 305
LW 307	Pyrazolo-Chinazolone	PO 67	/ 12915	25	200	4-5	3▲	2△	+	+	5	LW 307
LW 308	Naphthol AS Red	PR 170	/ 12475	36	160	7	6▲	5△	+	+	5	LW 308
LW 310	Transparent Iron Oxide Red	PR 101	/ 77491	25	300	8	8	8	+	+	5	LW 310
LW 317	Transparent Diketo-Pyrrolo-Pyrrole	PR 264	/ --	30	200	8	8▲	8△	+	+	5	LW 317
LW 319	Transparent Perylene Red	PR 179	/ 71130	17,5	300	7	7-8▲	6-7△	+	+	5	LW 319
LW 324**	Diketo-Pyrrolo-Pyrrole	PR 254	/ 56110	35	200	8	8▲	8△	+	+	5	LW 324**
LW 401	Dioxazine Violet	PV 23	/ 51319	25	180	7-8	7-8▲	7-8△	+	+	5	LW 401
LW 404	Chinacridone Red	PV 19	/ 46500	25	200	7-8	8▲	7-8△	+	+	5	LW 404
LW 505	Phthalocyanine Blue	PB 15:6	/ 74160	30	200	8	8▲	8△	+	+	5	LW 505
LW 506**	Phthalocyanine Blue	PB 15:2	/ 74160	28	200	8	8▲	8△	+	+	5	LW 506**
LW 508**	Indanthrone Blue	PB 60	/ 69800	20	200	8	8▲	8△	+	+	5	LW 508**
LW 510	Phthalocyanine Blue	PB 15:4	/ 74160	30	200	8	8▲	8△	+	+	5	LW 510
LW 540	Cobalt Blue Pigment	PB 28	/ 77346	48	300	8	8	8	+	+	5	LW 540
LW 601	Phthalocyanine Green	PG 7	/ 74260	36	200	8	8	8	+	+	5	LW 601
LW 602	Chrome Oxide Green	PG 17	/ 77288	56	1000	8	8	8	+	+	5	LW 602
LW 603**	Phthalocyanine Green	PG 36	/ 74265	40	200	8	8▲	8△	+	+	5	LW 603**
LW 903	Synthetic Iron Oxide Black	PBk 11	/ 77499	50	180	8	8	8	+	+	5	LW 903
LW 904	Furnace Black RCC	PBk 7	/ 77266	30	300	8	8	8	+	+	5	LW 904
LW 905**	Lamp Black	PBk 7	/ 77266	28	300	8	8	8	+	+	5	LW 905**
LW 909	Furnace Black HCF	PBk 7	/ 77266	12	300	8	8	8	+	+	5	LW 909

* According to manufacturers data

** small part of organic solvent

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

+ good
○ satisfactory
- unsuitable

HELIO BEIT
Pigmentpastes

First Class in Pigmentpastes

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Use The Helio Beir[®] LW-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 Beir[®] LW-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.LW.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.

