

Helio Beit<sup>®</sup> Pigment concentrates  
Helio Beit<sup>®</sup> UV - series



**HELIO BEIT**   
Pigmentpastes

Your aid in modern  
industrial paint production

UV

# Technical data sheet: Helio Beit<sup>®</sup> UV-series

**Product type**      **Pigment pastes based on a UV-curing acrylic resin**

## **Properties**

The Helio Beit<sup>®</sup> UV-series is a range of readily incorporated pigment pastes for easy use in radiation curing systems.

The resin matrix, which is used in the series offers very good compatibility with UV- and EBC-curing binder systems.

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

- Excellent stability
- Free-flowing
- High colour strength
- Excellent compatibility
- Free of monomers
- 100% solid content
- Dispensable

## **Applications**

Based on the range of suitability UV-Series is used in following paint systems:

- Wood- and furniture coatings
- Parquet coatings
- Industrial coatings
- Transparent varnishes
- Plastic coatings
- Plastic and foils
- Can-Coatings
- Gelcoats

## **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

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®
<b>UV 101</b>	Rutile Titanium Dioxide	PW 6	/ 77891	65	1000	8	8	8	+	+	5	<b>UV 101</b>
<b>UV 204</b>	Synthetic Iron Oxide Yellow	PY 42	/ 77492	45	180	8	8	8	+	+	5	<b>UV 204</b>
<b>UV 206</b>	Arylide Yellow	PY 74	/ 11741	25	120	8	7	6	+	+	3	<b>UV 206</b>
<b>UV 211</b>	Bismuth Vanadate Yellow	PY 184	/ --	45	200	8	8	8	+	+	5	<b>UV 211</b>
<b>UV 216</b>	Isoindoline Yellow	PY 139	/ 56298	35	200	8	8	8	+	+	5	<b>UV 216</b>
<b>UV 219</b>	Transparent Disazopigment	PY 83	/ 21108	13	200	6-7	6▲	4-5△	+	+	5	<b>UV 219</b>
<b>UV 302</b>	Synthetic Iron Oxide Red	PR 101	/ 77491	60	500	8	8▲	8△	+	+	5	<b>UV 302</b>
<b>UV 305</b>	Chinacridone Red	PR 122	/ 73915	15	200	7-8	8	7-8	+	+	5	<b>UV 305</b>
<b>UV 307**</b>	Pyrazolo-Chinazolone	PO 67	/ 12915	26,5	200	4-5	3▲	2△	+	+	3	<b>UV 307**</b>
<b>UV 308</b>	Naphthol AS Red	PR 170	/ 12475	30	160	7	6▲	5△	+	+	5	<b>UV 308</b>
<b>UV 322**</b>	Perylene Red	PR 179	/ 71130	25	350	8	7▲	6-7△	+	+	5	<b>UV 322**</b>
<b>UV 401</b>	Dioxazine Violet	PV 23	/ 51319	15	180	7	7-8▲	7-8△	+	+	5	<b>UV 401</b>
<b>UV 404**</b>	Chinacridone Red	PV 19	/ 46500	15	200	7-8	8	7-8	+	+	5	<b>UV 404**</b>
<b>UV 504</b>	Phthalocyanine Blue	PB 15:2	/ 74160	18	200	8	8	8	+	+	5	<b>UV 504</b>
<b>UV 508</b>	Indanthron Blue	PB 60	/ 69800	20	200	8	8▲	8△	+	+	5	<b>UV 508</b>
<b>UV 510</b>	Phthalocyanine Blue	PB 15:4	/ 74160	20	200	8	8▲	8△	+	+	5	<b>UV 510</b>
<b>UV 601</b>	Phthalocyanine Green	PG 7	/ 74260	25	200	8	8	8	+	+	5	<b>UV 601</b>
<b>UV 904</b>	Furnace Black RCC	PBk 7	/ 77266	20	300	8	8	8	+	+	5	<b>UV 904</b>

\* According to manufacturers data

\*\* Non-standard product. Possibly no stock material

Please note a minimum order quantity applies

▲ 1/3 Standard colour intensity

△ 1/25 Standard colour intensity

+ good

○ satisfactory

- unsuitable

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## **Use**

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

The pastes are photoinitiator-free. According to colour and hiding power the initiators should be determined by appropriate laboratory tests.

## **Packaging and storage**

Helio Beit® UV-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 6 months.

## **PP.UV.03.15.GB**

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.