

AltroColor PU 5000 Color Pastes are based on a hydrocarbon resin and have been developed particularly for the coloring of polyurethane **ester and 1-C systems**.

Description

Although our **AltroColor Color Pastes of series PU 5000** are based on a non-reactive binder, a complete integration into your polyurethane system is ensured.

Therefore, the **AltroColor Color Pastes** have no or only a little influence on the Shore hardness (depending on the type of hardener/variant used) nor on the other mechanical and chemical properties.

Chemical basis

- hydrocarbon resin
- OH-value: max. 5 mg KOH/g (depending on the pigment content and/or color shade)

Incorporation

We recommend adding the **AltroColor Color Pastes** to the component **A** and to homogenizing thoroughly with a suitable stirrer.

Due to their very low reactivity, the **AltroColor Color Pastes of series PU 5000** can also be used in isocyanates.

Recommended dosages (related to component A)

Normal, covering opaque applications	5.0 %
Transparent semi-transparent applications	0.5 to 2.5 %
Max. dosage	10.0 %

Form of delivery

AltroColor Color Pastes are available as pre-formulated color shades (e.g. RAL Classic, RAL Design, NCS etc.) or as mono-pigmented pastes for mixing systems.

Further color shades, also made to customers' sample, are available on request.

Packaging

500 g | 1 kg | 5 kg | 25 kg | 200 kg | 1000 kg

Storage | Shelf life

We recommend keeping the material cool and dry in tightly closed original receptacles at temperatures of 15 to 25 °C. When duly stored, the material can be used for 12 months. Before using the color pastes, stir up the content of the receptacle thoroughly. After use, close the receptacle again.

Description	Color Index ⁽¹⁾	T _{max} ⁽²⁾	Lightfastness ⁽³⁾	Weather Fastness ⁽⁴⁾	
PU 5002	ultramarine blue	[IO] - PB 29	> 300 °C	8 8	5 4-5
PU 5003	oxide black	[IO] - PBk 11	180 °C	8 8	5 5
PU 5004	oxide yellow	[IO] - PY 42	180 °C	8 8	5 5
PU 5005	oxide red	[IO] - PR 101	300 °C	8 8	5 5
PU 5006	chrome green	[IO] - PG 17	> 300 °C	8 8	5 5
PU 5007	green	[OR] - PG 7	300 °C	8 8	5 4-5
PU 5008	red PR 254	[OR] - PR 254	280 °C	8 8	5 4-5
PU 5009	rose	[OR] - PR 122	300 °C	7-8 8	4 4-5
PU 5010	violet	[OR] - PV 23	280 °C	8 7-8	4-5 4
PU 5011	lemon yellow	[OR] - PY 74	140 °C	7-8 6	3 2-3
PU 5012	yellow	[OR] - PY 83	200 °C	6-7 6	3 2-3
PU 5013	light-yellow	[IO] - PY 184	200 °C	8 8	5 5
PU 5015	blue PB 15:3	[OR] - PB 15:3	300 °C	8 8	5 4-5
PU 5023	flame red	[OR] - PR 48:3	240 °C	7 6	4 3-4
PU 5036	black	[OR] - PBk 7	300 °C	8 8	5 4-5
PU 5039	white	[IO] - PW 6	> 300 °C	8 8	5 5
PU 5202	oxide black	[IO] - PBk 11	> 300 °C	8 8	5 5

(1) [IO] inorganic; [OR] organic

(2) All indicated values relating to thermal stability, light fastness and weather fastness were adopted from the pigment producer and are to be regarded as references only. We strongly recommend carrying out tests on your own!

(3) Lightfastness [full tone | brightening]: evaluation as per 8-stage blue scale: 1 - very bad | 8 - excellent

(4) Weather fastness [full tone | brightening]: evaluation as per 5-stage grey scale: 1 - very bad | 5 - excellent

Measure of precaution

With the aid of the current safety data sheets, which contain physical, ecological, toxicological and other data relating to safety, the user can inform himself on the safe handling and storage of the products.

Our technical service - in words, in writing or by trials - is given according to the current state of our knowledge. It does however not relieve the customer / user from the duty to check by himself if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.

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