

150 years

BASF
We create chemistry

Luconyl® NG

Organic range	Chemical nature	C.I.	Pigment content [%]	Density	1/3 STD
Black 0061	carbon black	PBk 7	8	1.07	
Black 0066	carbon black	PBk 7	40	1.25	
Black 0070*	carbon black	PBk7	10	1.30	
Yellow 0911	arylamide	PY 3	43	1.19	
Yellow 0962	quinophthalone	PY 138	50	1.33	
Yellow 1256	arylamide	PY 74	50	1.19	
Yellow 1260	benzimidazolone	PY 154	32	1.18	
Yellow 2350	isoindolinone	PY 110	40	1.23	
Orange 2930	pyrazolone	PO 67	42	1.19	
Orange 3111	naphthol	PO 5	30	1.17	
Red 3750	dibromanthanthrone	PR 168	43	1.31	
Red 3855	naphthol AS	PR 112	42	1.16	
Red 3860	diketo-pyrrolo-pyrrole	PR 254	45	1.22	
Magenta 4790	quinacridone	PR 122	35	1.14	
Magenta 4791	quinacridone	PR 122	15	1.07	
Violet 5890	dioxazine	PV 23	8	1.28	
Violet 5894	dioxazine	PV 23	35	1.14	
Blue 6900	phthalocyanine	PB 15:2	42	1.20	
Blue 7080	phthalocyanine	PB 15:3	42	1.22	
Green 8730	phthalocyanine	PG 7	48	1.35	

Inorganic range	Chemical nature	C.I.	Pigment content [%]	Density	1/3 STD
White 0022	titanium dioxide	PW 6	63	1.97	
Black 0050	iron oxide	PBk 11	50	1.78	
Black 0095	Fe / Cr oxide	PBr 29	65	2.28	
Yellow 1102	bismuth vanadate	PY 184	50	1.75	
Yellow 1916	iron oxide hydrate, transparent	PY 42	38	1.47	
Yellow 1920*	iron oxide hydrate, transparent	PY 42	40	1.46	
Yellow 1990	iron oxide hydrate	PY 42	60	1.86	
Orange 2400	iron oxide	PY 42	60	1.90	
Orange 2430	Sn / Zn / Ti oxide	PO 82	60	1.91	
Red 2817	iron [III] oxide, transparent	PR 101	33	1.41	
Red 2820*	iron [III] oxide, transparent	PR 101	42	1.54	
Brown 2915	iron [III] oxide, semi-transparent	PR 101	50	1.74	
Red 3395	iron [III] oxide	PR 101	60	2.10	
Violet 5300	ultramarine	PV 15	50	1.49	
Blue 6120	ultramarine	PB 29	50	1.44	
Blue 6310	Co / Al oxide	PB 28	55	1.77	
Turquoise 9110	Co / Li / Ti oxide	PG 50	60	1.85	
Green 9990	chromium [III] oxide	PG 17	64	2.21	

* development products

150 years



Luconyl® NG

Luconyl® NG – the future of modern colors

The Luconyl® NG range of aqueous pigment preparations by BASF consists of a broad range of chromophores to ensure that all your performance and coloristic requirements are met.

Special features of Luconyl® NG include optimum pigment content, high color strength, narrow specifications and a reduced tendency to settle out due to improved stabilization. The pigment preparations are free-flowing, storage-stable and show excellent compatibility in a wide range of coating systems. Furthermore, our extensive range of products is suitable for both gravimetric and volumetric tinting purposes.

As well as offering color and protection to the decorative and wood coating sectors, the range of Luconyl® NG products also includes many inorganic pigments giving you options in the coloration of coatings for the construction market. Luconyl® NG offers other advantages as well. It is the answer to customers' current and future demands for environmental protection, offering an odorless product, requiring no label under the GHS labeling regulations (2015) and fulfilling all common eco-labels.

Special recommendations

High pH applications

For high pH applications as for example silicate paints, SRE's (silicone resin emulsions) or other coatings (e.g., stucco) for the construction market, we recommend the use of our preparations based on inorganic pigments.

Wood glazes

For the coloration of wood glazes we especially recommend our transparent iron oxides **Luconyl® NG Yellow 1916**, **Luconyl® NG Red 2817** and **Luconyl® NG Brown 2915** in combination with **Luconyl® NG Black 0061/0066/0070**. In addition BASF has developed two new Luconyl® NG preparations based on transparent iron oxides named **Luconyl® NG Yellow 1920** and **Luconyl® NG Red 2820** which have a higher pigment load and even higher transparency. The new **Luconyl® NG Black 0070** is a blue shaded black with higher jetness.

Solar heat management

To offer the optimum in heat management capabilities we recommend the use of **Luconyl® NG Black 0095** either alone or in combination with the broad range of inorganic products within the new enhanced Luconyl® NG range of pigment preparations. Utilizing Luconyl® NG Black 0095 as a replacement for conventional black, e.g. carbon black, within your formulation, heat build up can be reduced and total solar reflectance (TSR) can be significantly improved. BASF's specially developed "CoolSim" software can also support customers in choosing the best combination of chromophores to use for an optimal formulation meeting desired Heat Management properties. This enables a professional and efficient approach for a cool formulation.

Color matching / HTS (High Through-Put Screening)

In addition to high quality products and innovative services, BASF offers the coatings industry further unique solutions using their robot HTS capability. By means of its professional colorimetric software, BASF can exactly record and correctly match the desired shades. The color matching system comprises soft- and hardware components that allow perfect, fully automatic shade matching. With this impressive robot technology we are setting further milestones in the production of coatings with Luconyl® NG in order to support customers with guiding formulations.