

ECONYL[®]



In Plant colorants

for water based
coatings



LEONICE[®]
YOUR TINTING PARTNER

Work as a TEAM to deliver to our customers
high quality products, substantial services and competitive prices.
To be your real TINTING PARTNER.

ECONYL®

In Plant colorants

ECONYL® colorants are highly concentrated binder and solvent free ready to use water based pigment dispersions. The high tinting strength, VOC and APEO free colorants are recommended for in-plant tinting of various water and solvent based systems. Maximum stability and dispersability is guaranteed due to a patented wetting and dispersing agent platform.

ECONYL® colorants combine a very competitive price/quality ratio while containing very high quality pigments. Pigment quality is one of the major concerns of paint producers today when buying colorants. The careful choice of colorants allows the formulation of a very broad range of colors both for interior and exterior use.

ECONYL® colorants, are very finely grinded to be exceptionally suitable for gloss and semi gloss paints both for water and solvent based products. Unlike many commercially available system, they exhibit minimum impact of paint properties like gloss, rheology, hardness and drying time.

ECONYL® colorants are environment-friendly VOC free colorants (VOC<1 g/L), in accordance with latest EU-VOC Directive and EU-Ecolabel.

LEONICE offer formulation support to produce ready colors InPlant saving time and money.

Advantages of **ECONYL®** In Plant colorants

- Flexibility to color various water & solvent based systems.
- High color strength, gloss, transparency and intensity with low energy and dosage due to their small particle size and pigment content.
- Excellent flow properties for easy dosing & mixing characteristics without the need for a lengthy grinding process.
- Excellent light & weather fastness for exterior applications.
- Full range of Organic & inorganic colorants.
- Optimized for manual & dispensing equipment.

Compatibility

ECONYL® colorants are compatible with a very wide spectrum of resin systems such as: VAM copolymer emulsions, acrylic copolymer emulsions, styrene acryl emulsions, alkyd resins emulsions, thermoplastic acrylic resins and long and medium oil alkyd resins.

Specifications

ECONYL® colorants are manufactured under very tight specifications of both volumetric and gravimetric color strength, as well as for the colorimetric values of DE, DH and DC:

Gravimetric color strength	100 ± 2.5%
Volumetric color strength	100 ± 2.5%
DE	≤ 0.7
DH (Hue)	0 ± 0.5
DC (Chroma)	0 ± 0.5

ECONYL[®] Organic colorants

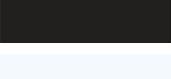
Semi-Mass Tone	COLOR	CODE	Color Index	Pigment Content in %*	Light Fastness*		Weathering Fastness*		Heat Fastness*	Alkali Fastness*
					S-MT	1/25 SD	S-MT	1/25 SD		
	YELLOW	YE1	PY 74	52	7-8	6-7	4-5	3	140°C	5
	YELLOW	YE2	PY 3	48	7	6	4	3	140°C	5
	YELLOW	YHF	PY 154	40	8	8	5	5	180°C	5
	YELLOW	YR2	PY 65	44	7	6	4	3	140°C	5
	YELLOW	YR1	PY 83	38	7-8	6-7	4	3	200°C	5
	ORANGE	OR1	PO 73	40	8	7-8	5	4	180°C	5
	ORANGE	OR2	PO 74	40	8	7-8	5	4	160°C	5
	RED SCARLET	RHF	PR 168	20	8	8	5	5	180°C	5
	RED	RD1	PR 254	42	8	7	5	4	200°C	5
	RED	RLF	PR 112	45	6-7	6	4	3	180°C	5
	MAGENTA	MG1	PR 122	30	7-8	7	4-5	4	200°C	5
	VIOLET RED	VR1	PV 19	25	6-7	7	3-4	3-4	200°C	5
	VIOLET	VL1	PV 23	30	8	7-8	4-5	4	160°C	5
	BLUE	BL1	PB 15:1	40	8	8	5	5	200°C	5
	BLUE	BL3	PB 15:3	47	8	8	5	5	200°C	5
	BLUE	BL4	PB 15:4	40	8	8	5	5	200°C	5
	GREEN	GR1	PG 07	48	8	8	5	5	200°C	5
	BLACK	BK1	PBk 7	35	8	8	5	5	200°C	5
	BLACK	BK2	PBk 7	42	8	8	5	5	200°C	5

* These values should only be used as guidelines

Wide range of organic colorants with excellent color strength and high chroma for decorative applications.

ECONYL[®] YHF and RHF are the best performing Yellow & Red colorants for outdoor use and by mixing them we get the highest possible exterior durability in the orange color space.

ECONYL[®] Inorganic colorants

Semi-Mass Tone	COLOR	CODE	Color Index	Pigment Content in %*	Light Fastness*		Weathering Fastness*		Heat Fastness*	Alkali Fastness*
					S-MT	1/25 SD	S-MT	1/25 SD		
	BIVA YELLOW	YX1	PY 184	74	8	8	5	5	200°C	5
	YELLOW OXIDE	YX2	PY 42	65	8	8	5	5	180°C	5
	YELLOW OXIDE	YX3	PY 42	60	8	8	5	5	180°C	5
	ORANGE OXIDE	YOX	PY 42	67	8	8	5	5	200°C	5
	RED OXIDE (R)	RX1	PR 101	66	8	8	5	5	200°C	5
	RED OXIDE (B)	RX2	PR 101	66	8	8	5	5	200°C	5
	COBALT BLUE	BX1	PB 28	60	8	8	5	5	200°C	5
	ULTRAMARINE BLUE	BX2	PB 29	58	8	8	4-5	4-5	200°C	5
	GREEN OXIDE	GX1	PG 17	68	8	8	5	5	200°C	5
	BLACK OXIDE	BKX	PBk 11	58	8	8	5	5	180°C	5
	WHITE	WX1	PW 6	70	8	n/a	5	n/a	200°C	5

* These values should only be used as guidelines

ECONYL[®] inorganic colorants are particularly recommended for exterior applications.

ECONYL[®] inorganic colorants are resistant to efflorescence and ideal for plaster application. High opacity, bright hues and excellent efflorescence, enhance the natural aspect of buildings with no color change.

ECONYL[®] inorganic colorants are highly recommended for silicate paints due to the high alkalinity and porosity and similarly for silicone resin paints because of the high permeability of such paints.

Broad coverage of color palette (Exclusive colorcards i.e. LEOMIX[®] Façade 260) only with inorganic colorants.

ECOWHITE SU

ECOWHITE SU is a VOC free optical brightener for water and solvent based paints. Its unique composition shows a whitening effect even at very low concentrations allowing a high quality brilliant white appearance to the paint.





LEONICE®

Your Tinting Partner

The Company

LEONICE is a European multinational company with its core business into manufacturing colorants and offering turn-key Point Of Sales tinting systems to the paint manufacturers.

LEONICE is formed by the pioneers of tinting technology in Europe with an aim of providing the Best-In-Class colorants combined with LEOMIX® Color System marketing platform to enable a competitive edge to our customers in their respective markets.

LEONICE's modern production facilities combined with long production experience & high production capacity ensures consistent quality within very tight specifications and prompt delivery. Innovative production process & filling makes efficient production of customized colorants including special packaging and labelling.

Our teams of specialists based in our state of the art laboratories offer a full range of products & services to meet specific requirements of the individual paint manufacturer such as:

- Color matching services and database creation
- Customized Tinting Solutions
- Development of Drop In colorants
- Customized High Exterior Durability & Solar Reflection coloring systems

Exclusive technology allows us to upgrade existing tinting systems with minimum cleaning effort and delay. Our customers can use new generation products, save money and effort.

ECONYL® In Plant Colorants

ECONYL® colorants are the latest generation low VOC and APEO free aqueous dispersions of organic and inorganic pigments design to meet special technical requirements.

ECONYL® colorants are an excellent choice for the following applications:

- Paints and texture coatings
- Wood finishing
- Natural rubber
- Textile
- Paper
- Soaps detergents and cleaning agents
- Latex dispersions
- Nonwoven
- Seed treatment

