

# PIGMENT DISPERSION

## PRODUCT GUIDE



# NEOTINT UCOL UNIVERSAL COLORANTS

**NEOTINT UCOL Universal Colorants** are designed for in-plant tinting as well as point-of-sale tinting of high-performance solvent-based industrial and maintenance coatings. The colorants are formulated for use in most non-aqueous industrial coating, Automotive OEM, Automotive Refinish, marine, concrete protection, Stoving, wood coating, aerosol, industrial maintenance, and protective coating.

**Neotint UCOL Universal Colorants** are Compatible With Following Types of Resin Systems.

- Acrylics
- Polyurethane
- Polyesters
- Melamine Formaldehyde
- Epoxy
- Alkyds like long, medium and short oil
- Nitrocellulose and vinyl lacquer
- Chlorinated Rubbers

## KEY BENEFITS:

- › Help eliminate grinding of pigments in different resin systems
- › Better usage of space & easy to use
- › Supply consistency & increases productivity
- › Saves space & money by reducing inventory
- › Reduces production time and better customer service
- › Easy to handle small orders
- › Helpful for automated paint production
- › Shade consistency
- › Wide Range of Colour by using minimum quantity of Colorants
- › High performance properties.
- › Fine particle size of colorants
- › Optimized in-can & canister stability
- › High pigmentation and Higher color strength
- › Excellent rheology
- › Superior light & weather fastness

## APPLICATIONS:

- › Industrial Tinting
- › Protective and Maintenance Coatings
- › Epoxy and PU Coatings
- › Aerosol Paints
- › Wood Coatings
- › Floor coatings
- › Auto refinish Coatings
- › Stoving Paints

## PRODUCT QUALITY AND SUPPORT :

Colorants are designed and manufactured with high performance pigments, binders, wetting and dispersing additives to provide excellent performance with consistency, compatibility with wide range of resin, stability, rheology, gloss retention, Acid & solvent resistance, heat and weather resistance properties. Colourants are controlled to a tinting strength 100 +/- 2 % and colour variation DE < 0.5. Property tested included hardness, adhesion, effects of over bake. Also controlled to allow for use in volumetric tinting machines with accurate reproduction. This Colorants is compatible with most aliphatic and aromatic hydrocarbons, ketones, esters, ethers and reactive diluents.

**NEOTINT UCOL Universal Colorants** are offered with integrated solutions for your POS tinting systems with RAL and IS shade formulation & any customized shades formulation along with your shade matching Technical support Requirements.

Sr. No	PRODUCT NAME	PIGMENT C.I. No.	SPECIFIC GRAVITY (+/- 0.02)	% PIGMENT BY Wt.	Heat Stability of Pigment	WEATHER FASTNESS		LIGHT FASTNESS	
				+/-2%	5 is best	1-5		1-8	
						MT	RT	MT	RT
1	WHITE	PW 6	1.70	60	5	5	5	8	8
2	BLACK	PBK 7	1.00	10	5	5	5	8	8
3	JET BLACK	PBK 7	1.00	10	5	5	5	8	8
4	YELLOW IRON OXIDE	PY 42	1.22	30	5	5	5	8	8
5	RED IRON OXIDE	PR 101	1.90	50	5	5	5	8	8
6	MIDDLE CHROME	PY 34	1.70	50	5	5	5	8	8
7	LEMON CHROME	PY 34	1.70	50	5	5	5	8	8
8	SCARLET CHROME	PR 104	1.90	50	5	5	5	8	8
9	RUBINE RED	PR 48:4	1.10	20	5	4	3	8	6
10	HIGH PERFORMANCE RED	PR 170	1.07	20	5	5	5	8	8
11	HIGH PERFORMANCE RED	PR 254	1.10	20	5	5	5	8	8
12	MAGENTA	PR 122	1.09	20	5	5	4	8	7-8
13	PHthalOCYANINE GREEN	PG 7	1.08	15	5	5	5	8	8
14	PHthalOCYANINE BLUE	PB 15:4	1.00	15	5	5	5	8	8
15	PHthalOCYANINE BLUE	PB 15:3	1.00	15	5	5	5	8	8
16	PHthalOCYANINE BLUE	PB 15:2	1.00	15	5	5	5	8	8
17	CARBAZOLE VIOLET	PV 23	0.98	5	5	5	4	7	7
18	QUINACRIDONE RED	PV 19	1.08	20	5	5	5	8	8
19	QUINACRIDONE VIOLET	PV 19	1.08	20	5	5	5	8	8
20	LEAD FREE ORANGE	PO 36	1.11	25	5	5	4	7-8	7
21	LEAD FREE LEMON YELLOW	PY 154	1.11	20	5	5	5	8	8
22	LEAD FREE MEDIUM YELLOW	PY 83	1.10	20	5	5	4	7-8	7
23	TRANSPARENT YELLOW OXIDE	PY 42	1.32	30	5	5	5	8	8
24	TRANSPARENT REDOXIDE	PR 101	1.20	20	5	5	5	8	8

# NEOTINT PCOL POLYURETHANES COLORANTS

**NEOTINT PCOL polyurethanes colorants** are designed for in-plant tinting as well as point-of-sale tinting of high performance solvent based polyurethanes industrial and maintenance coatings. The colorants are formulated for use in most non aqueous industrial coating, automotive OEM, automotive refinish, marine, industrial maintenance and protective coating. It is suitable for exterior as well as interior purpose. The hydroxy-functional resin ensures that the dispersing resin will cross-link in the coating, improving the coatings durability or chemical resistance

**NEOTINT PCOL polyurethanes colorants** are compatible with Polyurethane Resin Systems

## KEY BENEFITS:

- › Better usage of space & easy to use
- › Supply consistency & increases productivity
- › Saves space & money by reducing inventory
- › Reduces production time and better customer service
- › Easy to handle small orders
- › Helpful for automated paint production
- › Shade consistency
- › Wide Range of Colour by using minimum quantity of Colorants
- › High performance properties.
- › Fine particle size of colorants
- › Optimized in-can & canister stability
- › High pigmentation and Higher colour strength
- › Excellent rheology
- › Superior light & weather fastness

## APPLICATIONS:

- › Polyurethane Industrial coating
- › Automotive OEM and Auto refinish coating
- › Protective and Maintenance Coatings
- › Marine coating
- › Auto refinish Coatings
- › Polyurethane base Floor coatings
- › Wood coating

## PRODUCT QUALITY AND SUPPORT :

Colorants are designed and manufactured with high performance pigments, binders, wetting and dispersing additives to provide excellent performance with consistency, compatibility with wide range of resin, stability, rheology, gloss retention, Acid & solvent resistance, heat and weather resistance properties. Colourants are controlled to a tinting strength 100 +/- 2 % and colour variation DE < 0.5. Property tested included hardness, adhesion, effects of over bake. Also controlled to allow for use in volumetric tinting machines with accurate reproduction.

**NEOTINT PCOL Polyurethanes Colorants** are offered with integrated solutions for your POS tinting systems with RAL and IS shade formulation & any customized shades formulation along with your shade matching Technical support Requirements.

Sr. No	PRODUCT NAME	PIGMENT C.I. No.	SPECIFIC GRAVITY (+/- 0.02)	% PIGMENT BY Wt. +/- 2%	WEATHER FASTNESS		LIGHT FASTNESS	
					1-5		1-8	
					MT	RT	MT	RT
1	WHITE	PW 6	1.70	60	5	5	8	8
2	BLACK	PBK 7	1.00	10	5	5	8	8
3	JET BLACK	PBK 7	1.00	10	5	5	8	8
4	YELLOW IRON OXIDE	PY 42	1.22	30	5	5	8	8
5	RED IRON OXIDE	PR 101	1.90	50	5	5	8	8
6	MIDDLE CHROME	PY 34	1.70	50	5	5	8	8
7	LEMON CHROME	PY 34	1.70	50	5	5	8	8
8	SCARLET CHROME	PR 104	1.90	50	5	5	8	8
9	HIGH PERFORMANCE RED	PR 170	1.07	20	5	5	8	8
10	HIGH PERFORMANCE RED	PR 254	1.10	20	5	5	8	8
11	MAGENTA	PR 122	1.09	20	5	4	8	7-8
12	PHTHALOCYANINE GREEN	PG 7	1.08	15	5	5	8	8
13	PHTHALOCYANINE BLUE	PB 15:4	1.00	15	5	5	8	8
14	PHTHALOCYANINE BLUE	PB 15:3	1.00	15	5	5	8	8
15	PHTHALOCYANINE BLUE	PB 15:2	1.00	15	5	5	8	8
16	CARBAZOLE VIOLET	PV 23	0.98	5	5	4	7	7
17	QUINACRIDONE RED	PV 19	1.08	20	5	5	8	8
18	QUINACRIDONE VIOLET	PV 19	1.08	20	5	5	8	8
19	LEAD FREE ORANGE	PO 36	1.11	25	5	4	7-8	7
20	LEAD FREE LEMON YELLOW	PY 154	1.11	20	5	5	8	8
21	LEAD FREE MEDIUM YELLOW	PY 83	1.10	20	5	4	7-8	7
22	TRANSPARENT YELLOW OXIDE	PY 42	1.32	30	5	5	8	8
23	TRANSPARENT REDOXIDE	PR 101	1.20	20	5	5	8	8

# NEOTINT ECOL EPOXY COLORANTS

**NEOTINT ECOL Epoxy Colorants** is specially developed for non aqueous Epoxy based systems. The colorants is use for solvent based and solvent free Epoxy industrial coating, marine, industrial maintenance and protective coating, floor coating, epoxy tile grout. This product provides excellent compatibility and technical properties for thick film systems as well as hardness, gloss and solvent resistance.

**NEOTINT ECOL Epoxy Colorants** are compatible with Epoxy Resin Systems.

## KEY BENEFITS:

- › Better usage of space & easy to use
- › Supply consistency & increases productivity
- › Saves space & money by reducing inventory
- › Reduces production time and better customer service
- › Easy to handle small orders
- › Helpful for automated paint production
- › Shade consistency
- › Wide Range of Colour by using minimum quantity of Colorants
- › High performance properties.
- › Fine particle size of colorants
- › Optimized in-can & canister stability
- › High pigmentation and Higher colour strength
- › Excellent rheology
- › Superior light & weather fastness

## APPLICATIONS:

- › Epoxy based Industrial coating
- › Marine coating
- › Epoxy tile grout
- › Protective and Maintenance Coatings
- › Epoxy base Floor coatings

## PRODUCT QUALITY AND SUPPORT :

Colorants are designed and manufactured with high performance pigments, binders, wetting and dispersing additives to provide excellent performance with consistency, compatibility with wide range of resin, stability, rheology, gloss retention, Acid & solvent resistance, heat and weather resistance properties. Colourants are controlled to a tinting strength 100 +/- 2 % and colour variation DE < 0.5. Property tested included hardness, adhesion, effects of over bake. Also controlled to allow for use in volumetric tinting machines with accurate reproduction.

**NEOTINT ECOL Epoxy Colorants** are offered with integrated solutions for your POS tinting systems with RAL and IS shade formulation & any customized shades formulation along with your shade matching Technical support Requirements.

Sr. No	PRODUCT NAME	PIGMENT C.I. No.	SPECIFIC GRAVITY (+/- 0.02)	% PIGMENT BY Wt.	WEATHER FASTNESS		LIGHT FASTNESS	
				+/-2%	1-5		1-8	
					MT	RT	MT	RT
1	WHITE	PW 6	1.70	60	5	5	8	8
2	BLACK	PBK 7	1.04	10	5	5	8	8
3	JET BLACK	PBK 7	1.04	10	5	5	8	8
4	YELLOW IRON OXIDE	PY 42	1.22	30	5	5	8	8
5	RED IRON OXIDE	PR 101	1.85	50	5	5	8	8
6	MIDDLE CHROME	PY 34	1.70	50	5	5	8	8
7	LEMON CHROME	PY 34	1.70	50	5	5	8	8
8	SCARLET CHROME	PR 104	1.90	50	5	5	8	8
9	HIGH PERFORMANCE RED	PR 170	1.07	15	5	5	8	8
10	HIGH PERFORMANCE RED	PR 254	1.10	20	5	5	8	8
11	MAGENTA	PR 122	1.09	20	5	4	8	7-8
12	PHTHALOCYANINE GREEN	PG 7	1.04	15	5	5	8	8
13	PHTHALOCYANINE BLUE	PB 15:4	1.10	15	5	5	8	8
14	PHTHALOCYANINE BLUE	PB 15:3	1.10	15	5	5	8	8
15	PHTHALOCYANINE BLUE	PB 15:2	1.09	15	5	5	8	8
16	CARBAZOLE VIOLET	PV 23	1.01	5	5	4	7	7
17	QUINACRIDONE RED	PV 19	1.08	20	5	5	8	8
18	QUINACRIDONE VIOLET	PV 19	1.08	20	5	5	8	8
19	LEAD FREE ORANGE	PO 36	1.11	25	5	4	7-8	7
20	LEAD FREE LEMON YELLOW	PY 154	1.11	20	5	5	8	8
21	LEAD FREE MEDIUM YELLOW	PY 83	1.10	20	5	4	7-8	7

# NEOTINT ICOL INDUSTRIAL COLORANTS

**NEOTINT ICOL Industrial Colorants** are designed for in-plant tinting as well as point-of-sale tinting of economical solvent based industrial and maintenance coatings. The colorants are formulated for use in most non aqueous industrial coating, auto refinish, concrete protection, aerosol, stoving enamel, hammertone finish and general maintenance coating for interior and exterior application.

**NEOTINT ICOL Industrial Colorants** are compatible with following types of Resin Systems.

- Alkyds like long, medium and short oil
- Melamine Formaldehyde
- Chlorinated Rubbers

## KEY BENEFITS:

- › Help eliminate grinding of pigments in different resin systems
- › Better usage of space & easy to use
- › Supply consistency & increases productivity
- › Saves space & money by reducing inventory
- › Reduces production time and better customer service
- › Easy to handle small orders
- › Helpful for automated paint production
- › Shade consistency
- › Wide Range of Colour by using minimum quantity of Colorants
- › High performance properties.
- › Fine particle size of colorants
- › Optimized in-can & canister stability
- › High pigmentation and Higher colour strength
- › Excellent rheology
- › Superior light & weather fastness

## APPLICATIONS:

- › Industrial coating
- › Stoving Enamel
- › Hammertone and powder coating finish
- › General maintenance coating
- › Alkyd PU

## PRODUCT QUALITY AND SUPPORT :

Colorants are designed and manufactured with high performance pigments, binders, wetting and dispersing additives to provide excellent performance with consistency, compatibility with wide range of resin, stability, rheology, gloss retention, Acid & solvent resistance, heat and weather resistance properties. Colourants are controlled to a tinting strength 100 +/- 2 % and colour variation DE < 0.5. Property tested included hardness, adhesion, effects of over bake. Also controlled to allow for use in volumetric tinting machines with accurate reproduction.

**NEOTINT ICOL Industrial Colorants** are offered with integrated solutions for your POS tinting systems with RAL and IS shade formulation & any customized shades formulation along with your shade matching Technical support Requirements.

Sr. No	PRODUCT NAME	PIGMENT C.I. No.	SPECIFIC GRAVITY (+/- 0.02)	% PIGMENT BY Wt.	Heat Stability of Pigment	WEATHER FASTNESS		LIGHT FASTNESS	
				+/-2%	5 is best	1-5		1-8	
						MT	RT	MT	RT
1	WHITE	PW 6	1.90	66	5	5	5	8	8
2	BLACK	PBK 7	1.10	10	5	5	5	8	8
3	JET BLACK	PBK 7	1.10	10	5	5	5	8	8
4	YELLOW IRON OXIDE	PY 42	1.50	45	5	5	5	8	8
5	RED IRON OXIDE	PR 101	1.90	60	5	5	5	8	8
6	MIDDLE CHROME	PY 34	2.00	60	5	5	5	8	8
7	LEMON CHROME	PY 34	2.00	60	5	5	5	8	8
8	SCARLET CHROME	PR 104	2.00	60	5	5	5	8	8
9	RUBINE RED	PR 48:4	1.10	20	5	4	3	8	6
10	HIGH PERFORMANCE RED	PR 170	1.10	20	5	5	5	8	8
11	HIGH PERFORMANCE RED	PR 254	1.10	20	5	5	5	8	8
12	MAGENTA	PR 122	1.09	20	5	5	4	8	7-8
13	PHTHALOCYANINE GREEN	PG 7	1.10	20	5	5	5	8	8
14	PHTHALOCYANINE BLUE	PB 15:4	1.10	20	5	5	5	8	8
15	PHTHALOCYANINE BLUE	PB 15:3	1.10	20	5	5	5	8	8
16	PHTHALOCYANINE BLUE	PB 15:2	1.10	20	5	5	5	8	8
17	CARBAZOLE VIOLET	PV 23	1.01	5	5	5	4	7	7
18	QUINACRIDONE RED	PV 19	1.09	20	5	5	5	8	8
19	QUINACRIDONE VIOLET	PV 19	1.09	20	5	5	5	8	8
20	LEAD FREE ORANGE	PO 36	1.12	25	5	5	4	7-8	7
21	LEAD FREE LEMON YELLOW	PY 154	1.10	20	5	5	5	8	8
22	LEAD FREE MEDIUM YELLOW	PY 83	1.10	20	5	5	4	7-8	7
23	TRANSPARENT YELLOW OXIDE	PY 42	1.25	30	5	5	5	8	8
24	TRANSPARENT REDOXIDE	PR 101	1.20	20	5	5	5	8	8

# NEOTINT ACOL WATERBASE COLORANTS

**NEOTINT ACOL Waterbase Colorants** is high strength high concentrated aqueous pigment paste designed for in-plant tinting of all types of waterbased architectural paint and coatings. The colorants are suitable for Exterior and interior coating.

**NEOTINT ACOL Waterbase Colorants** are suitable for use with following types of binder Systems.

- Acrylic Emulsion
- PVA Emulsion
- Long oil alkyds
- Water Proofing Coating
- Styrene Acrylic Emulsion
- Polyurethanes dispersions
- Floor Coating Emulsion

## KEY BENEFITS:

- › Help eliminate grinding of pigments in different resin systems.
- › Better usage of space & easy to use
- › Supply consistency & increases productivity
- › Saves space & money by reducing inventory
- › Reduces production time and better customer service
- › Easy to handle small orders
- › Helpful for automated production
- › Shade consistency
- › Wide Range of Colour by using minimum quantity of Colorants
- › High performance properties.
- › Fine particle size of colorants
- › Optimized in-can & canister stability
- › High pigmentation and Higher color strength
- › Excellent rheology
- › Superior light & weather fastness

## APPLICATIONS:

- › All types of waterbase paints and coatings.
- › Printing Inks
- › Textiles
- › Detergent
- › Wood Stain
- › Paper

## PRODUCT QUALITY AND SUPPORT :

Colorants are designed and manufactured with high performance pigments, wetting and dispersing additives to provide excellent performance with consistency, compatibility with wide range of binder systems, stability, rheology, opacity, light fastness and weather resistance properties. Colourants are controlled to a tinting strength 100 +/- 2 % and colour variation DE < 1 Property tested. Also controlled to allow for use in volumetric tinting machines with accurate reproduction.

**NEOTINT ACOL Waterbase Colorants** are offered with integrated solutions for your POS tinting systems with RAL and IS shade formulation & any customized shades formulation along with your shade matching Technical support Requirements.

Sr. No	PRODUCT NAME	PIGMENT C.I. No.	% PIGMENT BY Wt. +/-2%	WEATHER FASTNESS		LIGHT FASTNESS	
				1-5		1-8	
				MT	RT	MT	RT
1	WHITE	PW 6	65	5	5	8	8
2	BLACK	PBK 7	10	5	5	8	8
3	YELLOW OXIDE	PY 42	50	5	5	8	8
4	RED OXIDE	PR 101	50	5	5	8	8
5	RED 170	PR 170	40	5	4	8	7
6	EXTERIOR RED 254	PR 254	45	5	5	8	8
7	RED 112	PR 112	45	4-5	4	7-8	7
8	RED 3	PR 3	35	4-5	4	7-8	7
9	Red 19	PV 19	25	5	5	8	8
10	GREEN	PG 7	50	5	5	8	8
11	BLUE 150	PB 15:0	45	5	5	8	8
12	BLUE 151	PB 15:1	45	5	5	8	8
13	BLUE 153	PB 15:3	45	5	5	8	8
14	VIOLET	PV 23	30	5	4	7	7
15	ORANGE	PO 5	40	4-5	4	7-8	7
16	YELLOW 3	PY 3	45	4-5	3-4	7-8	7
17	INTERIOR YELLOW 74	PY 74	40	4-5	3-4	7-8	7
18	EXTERIOR YELLOW 154	PY 154	30	5	5	8	8
19	YELLOW 1	PY 1	40	4-5	3-4	7-8	6-7
20	YELLOW 83	PY 83	40	4-5	3-4	7-8	6-7

The values given in the table are guidance figures only. The data is obtained from pigment suppliers, individual testing is recommended.

1. Light fastness is measured on 1-8 blue scale, where 1 = very poor light fastness, 8 = excellent light fastness.

2. Weather resistance is measured on 1-5 gray scale, where 1 = very poor weather resistance, 5 = excellent weather resistance.

# HOW TO USE

- Mix thoroughly before use. Give time for uniform mixing & use mechanical stirrer for proper mixing.
- Improper mixing will affect the formulation, hiding, gloss & other paint properties.
- Store the container in a shaded area with the lid tightly closed.
- Do not keep open the half used materials. Close it properly to avoid skinning.

## PACKING:

- Pack size of 1 Kg, 5 kg, 10 kg, 20 Kg are readily available.
- Any special packing if required can also be developed.

## Handling :

Proper handling is essential to maintain good quality. It is recommended that the colorants be mixed prior to use. Containers should be tightly sealed when not in use. Repacking the colorant into a smaller container should be considered if the colorant level in the container is less than 20% of the original amount and will be stored for an extended period of time.

The above information is provided with good faith and is accurate during manufacture. The conditions and methods of use of our product are beyond our control, so it's the user's responsibility to test before its use.





**"Revolutionizing production and shade creation with pre-dispersed innovation."**



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for more information

**NEO PACK PLAST (INDIA) PVT. LTD.**

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