

BARNALIFINE™ L
Pigments for
Coatings



Breathing Life Into Color

SIGNATURE COLORCHEM LLP

A 302, Teakwood, Vasant Garden, Near Swapna Nagri,
Mulund (West), Mumbai - 400 080.

+91 98200 86705 | +91 22 7960 4463

anil@signaturecolorchem.com

Pigments for Coatings

BERNALI™ L

	Product Name & Code	C.I. Name	Decorative Paints		Industrial Coatings				Light Fastness Full Tone/Tint	Weather Fastness Full Tone/Tint	Hest Stability (c°)
			Water Based	Solvent Based	Auto Refinish	Industrial Paint	Coil Coating	Powder Coating			
	BERNALI™ Yellow L 10001	PY1	●	●	-	-	-	-	7/5	-	-
	BERNALI™ Yellow L 10003	PY3	●	○	-	-	-	-	6/5	-	-
	BERNALI™ Yellow L 20065	PY65	●	●	-	-	-	-	6/5	4/2	-
	BERNALI™ Yellow L 20074	PY74	●	○	-	-	-	-	7/5	4/2	-
	BERNALI™ Orange L 30034	PO34	●	○	-	-	-	-	7/5	4/3	200
	BERNALI™ Orange L 30034 LF	PO34	●	●	-	-	-	-	7/5	-	-
	BERNALI™ Red L 40003	PR3	●	●	-	-	-	-	6/4	-	-
	BERNALI™ Red L 40004	PR4	●	●	-	-	-	-	6/3	-	-
	BERNALI™ Red L 40112	PR112	●	●	-	-	-	-	7/6	-	-
	BERNALI™ Red L 40170	PR170	●	●	●	●	●	●	7/5	4/2	180
	BERNALI™ Blue L 60015	PB15	●	○	-	-	-	-	8/7	5/4	180
	BERNALI™ Blue L 60151	PB15:1	●	○	●	●	●	-	8/8	5/5	200
	BERNALI™ Blue L 70153	PB15:3	●	●	○	○	●	-	8/8	5/5	200
	BERNALI™ Green L 80007	PG7	●	●	●	●	●	●	8/8	5/5	200

● Suitable for application ○ Potential Use

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Breathing Life Into Color

Pigments for Printing Inks

BERNALI™ D

	Product Name & Code	C.I. Name	Applications						Light Fastness Full Tone/Tint	Weather Fastness Full Tone/Tint	Soap fastness
			Water based Ink	NC/PU	PA	Vinyl EVA	CLPP	Offset			
	BERNALI™ Yellow D 10512	PY12	○	-	●	●	-	-	6/6	-	-
	BERNALI™ Yellow D 20212	PY12	-	-	●	●	○	●	6/6	-	-
	BERNALI™ Yellow D 20512	PY12	-	-	-	●	●	-	7/6	-	-
	BERNALI™ Yellow D 20013	PY13	-	●	-	-	-	-	6/5	-	4-5
	BERNALI™ Yellow D 25217	PY17	●	●	●	●	●	●	6/6	-	4-5
	BERNALI™ Yellow D 20283	PY83	-	●	●	●	●	-	7/6	-	4-5
	BERNALI™ Orange D 30013		●	-	●	●	○	●	-	-	-
	BERNALI™ Orange D 30034		●	-	-	-	-	●	7/5	-	4-5
	BERNALI™ Red D 40002		●	●	-	-	-	●	-	-	3
	BERNALI™ Carmine D 40005		-	-	-	-	-	-	-	-	-
	BERNALI™ Red D 40481	PR48:1	-	●	-	-	-	-	6/5	-	-
	BERNALI™ Scarlet D 40531	PR53:1	-	-	●	●	●	-	4/2	-	1-2
	BERNALI™ Magenta D 40571	PR57:1	-	-	●	●	●	●	6/4	-	-
	BERNALI™ Red D 40146	PR146	●	●	-	-	-	-	6/5	3/-	4-5
	BERNALI™ Blue D 60015	PB15	●	-	-	-	○	-	8/7	5/4	5
	BERNALI™ Blue D 70153	PB15:3	●	-	●	●	●	●	8/8	5/5	5
	BERNALI™ Green D 80007	PG7	●	●	●	●	●	●	8/8	5/5	5

● Suitable for application ○ Potential Use



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WB - Water based | **NC** - Nitro Cellulose | **PU** - Poly Urethane | **PA** - Polyamide | **CLPP** - chlorinated polypropylene

Note:

- Light Fastness is assessed on 1-8 Blue wool scale, where 1 = Poor & 8 = Excellent
- Weather Fastness is assessed on 1 – 5 Grey scale, where 1 = Poor & 5 = Excellent
- Soap Fastness is assessed on 1-5 scale, where 1 = poor & 5 = Excellent (Tested in 20% soap jelly solution)

The information included here is based on the reliable data generated by 3rd party outsourced. Since the performance of a pigment also depends on the additives and polymers used, we recommend that customers should test suitable of the pigment for their end application. However, if we are provided with testing methods and samples, we would be glad to do the same.

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Pigments for Printing Inks

BERNALI™ K

	Product Name & Code	C.I. Name	Applications						Light Fastness Full Tone/Tint	Weather Fastness Full Tone/Tint	Heat Resistance in HDPE(c°)	Migration in PVC
			Polyolefins	PVC	PS/A BS	Nylon 6	PBT/PET	PP Fiber				
	BERNALI™ Yellow K 20013	PY13	●	●	■	-	-	-	6/6	-	200	3
	BERNALI™ Yellow K 20017	PY17	●	●	-	-	-	○	6/6	-	200	3
	BERNALI™ Yellow K 20062	PY62	●	●	-	-	-	●	7/6	-	240	4-5
	BERNALI™ Yellow K 20083	PY83	●	●	-	-	-	●	7/6	-	240	4
	BERNALI™ Orange K 30034	PO34	●	○	-	-	-	-	7/5	-	220	3
	BERNALI™ Red K 40482	PR48:2	●	●	-	-	-	-	7/5	-	220	3-4
	BERNALI™ Red Scarlet 40531	PR53:1	●	●	○	-	-	●	4/2	-	250	4
	BERNALI™ Red K Magenta 40571	PR57:1	●	●	-	-	-	●	6/4	-	220	4
	BERNALI™ Red K 40170	PR170	●	○	-	-	●	●	8/7	3/-	240	2
	BERNALI™ Blue K 60015	PB15	●	-	-	○	-	-	8/7	5/4	180	3
	BERNALI™ Blue K 60151 FP	PB15:1	●	●	●	-	●	-	8/8	5/5	260	3
	BERNALI™ Blue K 60151 FP	PB15:1	●	●	-	-	-	●	8/8	5/5	280	4
	BERNALI™ Blue L 70153	PB15:3	●	●	●	○	●	●	8/8	5/5	280	4
	BERNALI™ Blue L 70153 FP	PB15:3	●	●	-	-	-	●	8/8	5/5	280	4
	BERNALI™ Green L 80007	PG7	●	●	○	-	●	-	8/8	5/5	280	4
	BERNALI™ Green L 80007 FP	PG7	●	●	-	-	-	●	8/8	5/5	280	4

● Suitable for application ○ Potential Use



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ABS – acrylonitrile – butadiene – styrene | **Nylon 6** – nylon 6 | **PBT** – polybutylene terephthalate | **PET** – polyester terephthalate | **PP** – polypropylene
PS – polystyrene | **PVC** – poly vinyl chloride | **Polyolefins** – polyethylene/polypropylene

Note:

- Light Fastness is assessed on 1-8 Blue wool scale, where 1 = Poor & 8 = Excellent
- Weather Fastness is assessed on 1 – 5 Grey Scale, where 1 = Poor & 5 = Excellent
- Resistance to heat is tested in HDPE polymer at 1/3rd standard depth of pigment with 1.00% TiO₂.
- Migration in PVC-P is assessed on 1 – 5 Grey scale, where 1 = Heavy Bleeding & 5 = No Bleeding.
 - i) Thermal decomposition of diarylide pigment occur if processed above 200° C

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Pigment preparations for Coatings

BERNALIFINE™

	Product Name & Code	C.I. Name	Light Fastness		Weather Fastness		Light Fastness Full Tone/Tint	Weather Fastness Full Tone/Tint	Hest Stability (c°)
			Full Tone	Tint	Full Tone	Tint			
	BERNALIFINE™ Yellow L 10001	PY1	6	4	-	-	40 ± 2	1.16	●
	BERNALIFINE™ Yellow L 10003	PY3	6	4	-	-	40 ± 2	1.11	●
	BERNALIFINE™ Yellow L 20065	PY65	6	5	-	-	30 ± 2	1.14	●
	BERNALIFINE™ Yellow L 20074	PY74	7	5	4	2	28 ± 2	1.14	●
	BERNALIFINE™ Yellow L 20074 LF	PY74	7	5	4	2	40 ± 2	1.15	○
	BERNALIFINE™ Orange 30005	PO5	5	4	-	-	35 ± 2	1.15	●
	BERNALIFINE™ Toluidine Red L 40003	PR3	6	4	-	-	35 ± 2	1.15	●
	BERNALIFINE™ Fast Red L 40112	PR112	7	5	-	-	42 ± 2	1.12	●
	BERNALIFINE™ Pink L 45122	PR122	8	7	4	4	35 ± 2	1.45	○
	BERNALIFINE™ Red L 40170	PR170	7	5	4	2	42 ± 2	1.12	●
	BERNALIFINE™ Violet L 50023	PV23	8	7	5	4	12 ± 2	1.25	○
	BERNALIFINE™ Blue L 60015	PB15	8	7	4	3	42 ± 2	1.14	○
	BERNALIFINE™ Blue L 70153	PB15:3	8	7	5	4	42 ± 2	1.15	○
	BERNALIFINE™ Green L 80007	PG7	8	8	5	5	52 ± 2	1.33	○
	BERNALIFINE™ Yellow Oxide L 15042	PY42	8	8	5	5	60 ± 2	1.88	■
	BERNALIFINE™ Red Oxide L 40101	PR101	8	8	5	5	62 ± 2	2.26	■

● Suitable for Interior application

○ Interior & Exterior application

■ Interior and Potential for exterior



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Note:

- Light Fastness is assessed on 1-8 Blue wool scale, where 1 = Poor & 8 = Excellent
- Weather Fastness is assessed on 1-5 Grey Scale, where 1 = Poor & 5 = Excellent

BERNALIFINE™ Pigment preparations are hydrophilic, highly concentrated, readily pourable pigment paste containing non-ionic/anionic wetting & dispersing agents. They mix readily into aqueous bases to form stable paints. The pH range is between 6 to 8.

BERNALIFINE™ can be used in following applications. Artist watercolor, Chalk, Latex, Coir Coloration, Artificial Flowers, Seed coating, Detergents, Paper coloration etc., Please refer TDS.

Storage:

Preferably at room temperature, avoid temp. below 0 deg. C as this will impact on the quality of the product.

Handling and usage:

- BERNALIFINE™ pigment preparations must be stirred thoroughly before use
- Any foaming can be reduced by using antifoaming agent.
- BERNALIFINE™ are miscible with one another in any ratio. Their main application is coloration of water-based paints.
- Recommended shelf life 10 – 12 months

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