



Pigment Paste

Fine Paste

&

Pigment Powder



Megha - Chem Industries



Megha Chem Industries

Pigment Paste For Textile

Against Pidilite Industries

1%	Shade	4%	Product Name	Light		Washing	Dry Cleaning	Heat	Perspiration
				1%	4%	At 90°C DIN 54011	DIN 54022	At 150°C DIN 54060	DIN 54020
			YELLOW 5G	>7	>7	4-5	3	4-5	4-5
			YELLOW GRKW	4-5	6-7	4-5	3	4-5	4-5
			G. YELLOW KRM	4-5	6-7	4-5	3	4-5	4-5
			ORANGE G	4-5	6-7	4-5	3	4-5	4-5
			BRI. RED FJC	5	7	4-5	3	4-5	4-5
			BRI. RED PE-GBN	>7	>7	4-5	3-4	4-5	4-5
			BRI. RED-PEGR	6	7	4-5	2-3	4-5	4-5
			BRI. RED FB	7	>7	4-5	4	4-5	4-5
			RED VIOLET RK	7	>7	4-5	4-5	4-5	4-5
			RUBINE BC	5-6	>7	4-5	3-4	4-5	4-5
			BORDEAUX RJK	5-6	>7	4-5	2	4-5	4-5
			BRI. PINK CP	>7	>7	4-5	4	4-5	4-5
			VIOLET MB	7	>7	4-5	4-5	4-5	4-5
			BROWN GR	4-5	6	4-5	2-3	4-5	4-5
			BROWN R	4-5	6	4-5	2-3	4-5	4-5
			BLUE BN	7	>7	4-5	4-5	4-5	4-5



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				1%	4%	At 90°C DIN 54011	DIN 54022	At 150°C DIN 54060	DIN 54020
			NAVY BLUE BRJ	7	>7	4-5	4-5	4-5	4-5
			NAVY BLUE CNB	7	>7	4-5	4-5	4-5	4-5
			TUR. BLUE BCD	6	>7	4-5	4	4-5	4-5
			GREEN G	6	>7	4-5	4-5	4-5	4-5
			GREEN GG	6	>7	4-5	4	4-5	4-5
			OLIVE GREEN RJB	5-6	6	4-5	3	4-5	4-5
			BLACK G	7	>7	4-5	4-5	4-5	4-5
			BLACK NG	7	>7	4-5	4-5	4-5	4-5
			YELLOW PHR *	>7	>7	4-5	4	4-5	4-5
			ORANGE PFG *	6	>7	4-5	4	4-5	4-5
			BRI. RED RPS*	7	>7	4-5	4	4-5	4-5
			BLACK HPNG	7	>7	4-5	4-5	4-5	4-5
			BRI. BLUE KBR	7	7	4-5	4-5	4-5	4-5
			YELLOW ST-25	4-5	6-7	4-5	3	4-5	4-5
			G. YELLOW ST-25	4-5	6-7	4-5	3	4-5	4-5
			ORANGE ST-25	4-5	6-7	4-5	3	4-5	4-5

* HIGHER FASTNESS



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Against Pidilite Industries

1%	Shade	4%	Product Name	Light		Washing	Dry Cleaning	Heat	Perspiration
				1%	4%	At 90°C DIN 54011	DIN 54022	At 150°C DIN 54060	DIN 54020
			RED ST-25	4-5	6-7	4-5	3	4-5	4-5
			BLUE ST-25	7	>7	4-5	4-5	4-5	4-5
			TUR BLUE ST-25	6	>7	4-5	4	4-5	4-5
			VIOLET ST-25	7	>7	4-5	4-5	4-5	4-5
			GREEN ST-25	6	>7	4-5	4	4-5	4-5
			BLACK ST-25	7	>7	4-5	4-5	4-5	4-5
			BLACK HPNG	7	>7	4-5	4-5	4-5	4-5

Pigment Florescent Paste For Textile

			FLUOR. MAGENTA	2	4	3-4	2-3	3-4	2-3
			FLUOR. PINK	2	4	3-4	2-3	3-4	3-4
			FLUOR. BLUE	2	4	3-4	3	3-4	3-4
			FLUOR. GREEN	2	4	3-4	5	3-4	2-3
			FLUOR. YELLOW	2	4	3-4	4-5	3-4	3-4
			FLUOR. ORANGE	2	4	3-4	4-5	3-4	4-5
			FLUOR. RED	2	4	3-4	4-5	3-4	2-3



Megha Chem Industries

Pigment Paste For Paints

1%	Shade	4%	Product Name	Light Fastness		Weathering Fastness		Pigment Content Approx %	Density + 5 % 30°C	Recommended for
				V	R	V	R			
			Yellow 8511 (Yellow 3)	7	6	4-5	3-4	40	1.20	Interior Paint
			Yellow 8517 (Yellow 1)	6	5	3-4	2-3	40	1.20	Interior Paint
			Red 8535 (Orange 5)	6-7	6	4-5	4	35	1.20	Interior Paint
			Red 8548 (Red 112)	7	5	4	3	40	1.20	Interior Paint
			Red 8551 (Red 8)	6	5	3	2-3	42	1.20	Interior Paint
			Blue 8612 (Blue 15)	8	8	5	4-5	40	1.20	Interior Paint
			Blue 8611 (Blue 15.3)	8	8	5	4-5	40	1.20	Interior Paint
			Green 8631 (Green 7)	8	8	5	5	42	1.20	Interior Paint
			Violet 8591 (Violet 23)	7-8	7	5	4-5	10	1.20	Interior Paint
			Black 8683 (Black 7)	8	8	5	5	35	1.20	Interior Paint

Fine Paste Pigment Preparation

Hydrophilic highly concentrated, readily pourable pigment pastes containing non-ionic and anionic wetting agents and dispersing agents. They mix readily into aqueous media to form stable dispersions. They are miscible with one another in any ratio.

Their main purpose is the coloration of these synthetic resin emulsion paints, wood stains, latex, soaps etc.

The paints cannot be used for testing fastness properties.

Explanatory notes on column headings used in the table

- V = 4% in a full shade emulsion paint containing 1% TiO₂ Rutle
- R = 1% in a reduced shade emulsion paint containing 20% TiO₂ Rutle
- Light = Light fastness based on DIN 54003
- Weathering = Fastness to weathering for 12 months, based on DIN 54001
- Density = Density in g/cm³ based on DIN 53193 | d = becomes darker
- The pigment content stated in % (approx) is merely intended as a guide value. The criterion in standardization is the tinctorial strength of the paste.



Megha Chem Industries

Organic Pigment Powder

PHYSICAL PROPERTIES

			PIGMENT POWDER												
1%	Shade	4%	Product Name	Special Gravity	Bulk Volume (litres/kg)	Oil Absorption (g/100gm)	Reagents (1-5 Scale)				Solvents				
							pH of 2% Extract	Water	5% Acid (HCl)	5% Alkali (NaOH)	Lime	Ethanol	N-Butanol	N-Butyl Acetate	M.E.K.
			Phthalocyanine Alpha Blue 15:0 Pigment Blue 15:0 C. I. No. 74160	1.6	6.0	35 ±2	6.8	5	5	5	5	5	5	4	4
			Pigment Alpha Blue 15:1 C.I. No. 74160:1	1.6	6.0	35 ±2	6.8	5	5	5	5	5	5	4	4
			Phthalocyanine Beta Blue 15:3 Pigment Blue 15:3 C. I. No. 74160:3	1.4	6.5	40 ±2	7.2	5	5	5	5	5	5	5	5
			Phthalocyanine Beta Blue 15:4 Pigment Blue 15:4 C. I. No. 74160:4	1.6	6.5	40 ±2	7.2	5	5	5	5	5	5	5	5
			Phthalocyanine Green G Pigment Green 7 C. I. No. 74260	1.6	6.5	34 ±2	7.2	5	5	5	5	4-5	4-5	5	4-5
			Pigment Yellow G Pigment Yellow 1 C. I. No. 11680	1.4	7.8	40 ±2	6.8	5	5	5	4	2-3	2-3	2	1-2
			Pigment Yellow AG Pigment Yellow 12 C. I. No. 21090	1.4	7.5	50 ±2	6.8	5	5	5	5	5	2	2	2
			Pigment Yellow 17 Pigment Yellow 17 C. I. No. 21105	1.3	6.8	60 ±2	6.8	5	5	5	5	5	4	4	4
			Pigment Yellow 74 Pigment Yellow 74 C.I.No. 11741	1.4	7.0	37 ±2	6.8	5	5	5	5	5	4	4	4
			Pigment Orange G Pigment Orange 13 C.I.No. 21110	1.55	7.0	50 ±2	6.8	5	5	5	5	4	3	2	1-2
			Pigment Orange HF Pigment Orange 34 C.I.No. 21115	1.5	7.0	45 ±2	6.8	5	5	5	5	3-4	3	4	3
			Pigment Red F4R Pigment Red 8 C.I.No. 12335	1.4	6.8	58	6.8	5	5	5	5	2	1	2	1
			Pigment Scarlet BBN Pigment Red 48:1 C.I.No. 15865:1	1.9	2.8 ±2%	45	6.8	4-5	3	3	5	4-5	4	3	4-5
			Pigment Red F2B Pigment Red 48:2 C.I.No. 15865:2	1.6	4.8	45 ±2	6.8	5	5	5	5	4	4	4	4
			Pigment Red 2B Pigment Red 48:4 C.I.No. 15865:4	1.6	4	55	6.8	4-5	3	3-4	4	4-5	3-4	3-4	5
			Pigment Red 49:1 Pigment Red 49:1 C.I.No. 15630:1	1.6	7.8	40 ±2	6.8	5	2	5	5	4	4	4	3

FASTNESS PROPERTIES

		PIGMENT POWDER																			
White sprit	Xylene	Mixed NC Solvents	Cellosolve	Diethylene Glycol	D.B.P.	D.O.P.	Linseed Oil	Oleic Acid	Soap	Paraffin Wax	Full Strength	Reduction TiO ₂	150°C (300°F) 20 minutes	180°C (355°F) 10 minutes	120°C (250°F) 30 minutes	N.C. Laquer	Print Finish (1-5 Scale)	Litho Finish (1-5 Scale)	Application		
5	4	4	3	5	5	5	5	5	5	5	7	6	5	4	2-3	2-3	4	4	Offset Ink, Oil Paint, Plastic Emulsion Paint Textile Printing Paste		
5	4	4	3	5	5	5	5	5	5	5	7	6	5	4	2-3	2-3	4	4	Offset Ink, Oil Paint, Plastic Emulsion Paint Textile Printing Paste		
5	5	5	5	5	5	5	5	5	5	5	7	6	5	5	5	5	4	4	Ink (offset, aqueous) Paint (oil, emulsion) Textile Printing Paste Solvent Paint, Plastic		
5	5	5	5	5	5	5	5	5	5	5	7-8	7	5	4	5	4	4	4	Offset Ink Solvent Based Ink (NC & Polyamide)		
5	5	4	4-5	5	5	5	5	5	5	5	7-8	6-7	5	5	5	4	4	4	Ink (offset, aqueous) Textile Printing Paste Paint (oil, emulsion) Plastic		
2-3	1-2	2-3	2	4	2	2	5	5	5	5	6-7	5-6	5	4	3	4	4	4	Bright Color Emulsion Paint Aqueous Ink Offset Ink, Solvent Paint		
4	2	3	3	5	5	5	5	5	5	5	4-5	4-5	4-5	4	3	2	3	4	Ink (offset, aqueous) Plastic		
5	4	3	4	5	5	5	5	5	5	5	6-7	4-5	5	4	4	2	4	4	High Colour Strength Good Dispersion Plastic Offset Ink		
5	3	1	4-5	5	5	5	5	5	5	5	7-8	5	4	2	2	2	5	4	Good Light Resistance, High Covering Power Paint (emulsion, solvent) Aqueous Ink, Textile Printing Paste		
3	1	1	2	4	5	5	5	5	3	5	5-6	3-4	3-4	3	2	2	4	3	High Color Strength, Bright Yellow Shade Ink (offset, aqueous) Plastic, Textile Printing Paste		
3	3	3	2	4	5	5	5	5	3	5	5-6	3-4	3-4	3	2	2	4	3	Bright Color, Good Gloss Ink (offset, aqueous) Textile Printing Paste Plastic		
3	1	1	2	4	3	3	5	5	4-5	5	5-6	3-4	3	2	2	2	4	4	Yellow Shade, Good Fluidity Textile Printing Paste Offset Ink, Aqueous Ink		
4-5	1-2	4	2	3	2	2	5	4	4	5	5	3	5	4	5	4	4	4	High Color Strength Ink (Offset), Plastic Ink (gravure)		
4	4	2	2	2	5	5	5	5	2	5	7	6-7	4-5	4	4	4	4	4	High Color Strength Easy Dispersing Solvent Ink Plastic		
5	5	2	3-4	4-5	4-5	3-4	4	2-3	5	5-6	3-4	5-6	4-5	4	4	4	4	4	High Color Strength Paint Plastic Textile Printing Paste		
4	3-4	3	2	2	3	3	5	5	2	5	5	3	5	4	4	4	2	3	Good Gloss, Good Fluidity Offset Ink Aqueous Ink		



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PHYSICAL PROPERTIES

			PIGMENT POWDER												
			Special Gravity	Bulk Volume (litres/kg)	Oil Absorption (g/100gm)	pH of 2% Extract	Reagents (1-5 Scale)				Solvents				
1%	Shade	4%					Product Name	Water	5% Acid (HCl)	5% Alkali (NaOH)	Lime	Ethanol	N-Butanol	N-Butyl Acetate	M.E.K.
			Pigment Red 49:2 Pigment Red 49:2 C.I.No. 15630:2	1.6	5.5	44	6.8	5	5	5	5	2	2	2	2
			Pigment Lake Red C (opaque) Pigment Red 3:1 C.I.No. 15585:1	1.8	6.5	50 ±2	7.5	5	3	2	4	4	2	2	1
			Rubine Toner CAO (opaque) Pigment Red 57:1 C.I.No. 15850:1	1.6	5.8	54 ±2	7.0	5	2	2	3	4	2	2	2
			Pigment Red BB Pigment Red 112 C.I.No. 12370	1.6	6.0	37 ±2	7.2	5	5	5	4-5	3-4	2	2	1-2
			Pigment Fast Pink 122 Pigment Red 122 C.I.No. 73915	1.4	6.5	55	6.5 ---- 7.5	5	5	5	5	4	2	2	5
			Pigment Red 170 Pigment Red 170 C.I.No. 12475	1.4	4.4	39	7.2	5	5	5	-	5	5	4	4
			Pigment Violet Toner Pigment Violet 27 C.I.No. 42535:2	1.4	3.5	60	7.1	4	1	1	-	2	2	4	3
			Pigment Fast Violet 19 Pigment Violet 19 C.I.No. 73900	1.4	-	65 ---- 70	6.5 ---- 7.5	5	5	-	5	4	2	2	5
			Pigment Violet 23 Pigment Violet 23 C.I.No. 51319	1.52	5.0	65 ±2	6.8	5	5	5	5	5	5	5	5

Chrome Pigments

		C. I. No.	C. I. Name	Physical Properties		
Full Strength	Reduction 1:10			On Adsorption	Specific Gravity	Bulk Density
		77603	Y-36	24	5.6	1.25
		77603	Y-34	26	5.4	0.82
		77603	Y-34	23	5.2	0.85
		77605	R-104	19	5.5	0.95



Megha Chem Industries

Pigment Paste For Textile

Against Color Chem

FASTNESS PROPERTIES

Pigment Emulsion		Product Name	PIGMENT PASTE (TEXTILE)				
1%	4%		Light	Washing At		Chlorine	Perspiration
				40° C	100° C		
		Red MGR	7	5	4-5	4-5	5
		Yellow M2G	7	5	4-5	4-5	5
		G. Yellow MRM	7	5	4-5	4-5	5
		L. Yellow M5G	7	5	4-5	4-5	5
		Orange M5G	7	5	4-5	4-5	5
		Bordeaux MBN	7	5	4-5	4-5	5
		Violet MB	7	5	4-5	4-5	5
		Blue MB	7	5	5	5	5
		Red Violet MRK	7	5	5	5	5
		Navy Blue MB	7	5	5	5	5
		Turquoise Blue MBN	7	5	4-5	4-5	5
		Green MDB	7-8	5	4-5	4-5	5
		Green M2G	7-8	5	4-5	4-5	5
		Olive Green MB	6	5	4-5	4-5	4-5
		Brown MGR	3-4	5	4-5	5	5
		Brown MR	6-7	5	5	5	5



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Against Color Chem

FASTNESS PROPERTIES

PIGMENT PASTE (TEXTILE)

Pigment Emulsion		Product Name	Light	Washing At		Chlorine	Perspiration
1%	4%			40° C	100° C		
		Black MV	7-8	5	4-5	5	5
		Black MG (Black 5%, Red 1:10)	7-8	5	4-5	5	5
		Black MNG	7-8	5	4-5	5	5
		Rubine MBC	7-8	5	4-5	5	5

PIGMENT EMULSION IN PRINTING

Megha Chem Industries Pigment Emulsion are Dispersed Organic Pigment for printing on Cotton, Viscose, Nylon, Polyester, Fabrics and their blends. Megha Chem Industries Pigment Emulsion is processed with advanced technology to achieve excellent brilliancy and fastness properties due to micron size of 0.5 Micron dispersions. Megha Chem Industries Pigment Binder along with Pigment Emulsion gives high degree of fastness and brilliant shades. These can also be inter-mixed to get different desired shades.

RECIPE : PREPARATION OF PRINT PASTE

(a) Megha Chem Industries Pigment Emulsion	4	Parts	(b) Megha Chem Industries Pigment Emulsion	4	Parts
Binder (Megha Chem Industries CLN)	10	Parts	Binder (Megha Chem Industries CLN)	10	Parts
Water	10	Parts	Water	10	Parts
Urea	3	Parts	Urea	3	Parts
Catalyst (D.A.P) 1:1 Solution	3	Parts	Synthetic	3	Parts
Mineral Turpentine Oil (M.T.O)	70	Parts	Liquor Ammonia	70	Parts
	100	Parts		100	Parts

METHOD OF PREPARATION

With Kerosene or Mineral Turpentine Oil or Synthetic Thickeners: Take Binder (Megha Chem Industries CLN) as Per recipe. Mix Water, Urea and M.T.O or Synthetic Thickeners under High Speed stirrer slowly to get stable Emulsion. Then add Megha Chem Industries Pigment Emulsion as per requirement and catalyst at the time of printing. The printed fabrics are dried on drying cylinder and polymerized at 150°C for 3 to 5 minutes. If polymerized at 100°C in printing recipe catalyst is to be substituted by Catalyst L.C.E The fastness properties mostly depend upon the quality of binders used. We recommend the ratio of 1:3 between Pigment Emulsion and good quality Printing Binder (Megha Chem Industries CLN)

MEGHA CHEM INDUSTRIES CLN (PRINTING BINDER)

Contains sufficient amount of Emulsifier and anti-chalking agents. Produces stable Emulsion Printing paste. The film of binder is transparent and soft. T.G. of Binder produce soft elasticity giving better washing fastness.



Megha Chem Industries

SINCE 1993

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