

PROPERTIES OF MANGALAM ENTERPRISES

Organic Pigments			C.I.No.	Specific Gravity	Bulk Volume	Oli Absorption	FASTNESS					PHYSICAL AND CHEMICAL										
							Light 1 -> 5 Scale		Heat 1 -> 5 Scale		Overspray 1 -> 5 Scale		Reagents 1 -> 5 Scale			Solvents 1 -> 5 Scale						
							Full Strength	Reduction Tone	150 C/20 Min.	180 C/20 Min.	120 C/20 Min.	N.C.lacquer	Water	5% Acid HCL	5% Alka;o NaOH	Ethanol	N-Butanol	N-Butyl Acetate	M.E.K	White Spirit	Xylene	Mixed NC Solvents
1	Red 2	12310	1.5	6.8	50+2	6-7	4-5	3	3	2	3	5	5	5	4	4	3	3	2	3	2	4
2	Red 3	12120	1.5	5.8	48+2	7	5	3	3	2	3	5	5	5	3	3	3	4	1	1	1	4
3	Red 4	12085	1.56	5.8	37+2	5-6	4	3	3	2	4	5	5	3	3	3	2-3	2	2-3	2-3	2	4
4	Red 8	12335	1.4	6.8	55+2	6	3-4	4	2	2	2	5	5	5	2	1	2	1	3	2	1-2	4
5	Red 12	12385	1.38	7.0	54+2	6	5	3	2	2	3	5	4	2	3	3	3	2	3	3	2	4
6	Red 23	12355	1.5	6.5	38+2	5-6	3	5	4	4	3	5	4	4	1-2	1-2	1-2	3	1-3	1-2	1	3
7	Red 48:2	15865	1.6	4.0	40+2	7	6	6	4	4	4	5	5	5	4	4	4	4	4	4	4	4
8	Red 53:1	15585	1.8	6.5	52+2	5	2	4	4	2	2	5	3	2	4	2	2	2	4	2-3	1-2	2
9	Red 57:1	15850	1.55	6.8	56+2	5-6	3	4	3	2	2	5	2	2	4	1	2	1	5	3	2	2
10	Red 112	12370	1.41	6.8	40+2	6-7	6	4	3	3	3	5	3	4	3	3	3	3	2	2-3	3	4
11	Red 170	12475	1.36	6.0	49+2	6-7	6	4	4	4	4	5	4	5	4	4	4	3	3	3	3	4
12	Yellow 1	11680	1.4	7.8	40+2	6-7	4-5	3-4	2	2	2	5	5	5	3	3	3	1	2	2	2	4

APPLICATIONS OF MANGALAM PIGMENT POWDERS

	Organic Pigments	C.I.No.	Paints	Printing Ink	Rubber	Leather	Cement	Line Colours	Textile Papers	Ceramic Printing	PVC Leather Cloth	Plastics	Chalk & Crayons
1	Red 2	12310	✓	✓	✓	✗	✓	✗	✓	✗	✗	✗	✓
2	Red 3	12120	✓	✓	✓	✓	—	—	—	—	—	—	✓
3	Red 4	12085	✓	✓	✓	—	—	✓	—	—	—	—	✓
4	Red 8	12335	✓	✓	✓	✗	✓	—	✓	✓	✗	✗	✓
5	Red 12	12385	—	—	✓	✓	—	✓	—	✓	✓	✓	—
6	Red 23	12355	✓	✓	✓	—	✓	✓	✓	—	—	✓	✓
7	Red 48:2	15865	✓	✓	✓	✓	✗	✓	✓	✗	✓	✓	✓
8	Red 53:1	15585	✗	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗
9	Red 57:1	15850	✓	✓	✓	—	✓	✓	✓	✗	✗	✓	✗
10	Red 112	12370	✓	✓	✓	✓	—	—	—	—	—	✓	✓
11	Red 170	12475	✓	✓	✓	✓	✓	—	✓	—	—	✓	—
12	Yellow 1	11680	✓	✓	✗	✓	✗	✓	—	✗	✗	✗	✓

APPLICATIONS OF MANGALAM PIGMENT POWDERS

	Organic Pigments	C.I.No.	Paints	Printing Ink	Rubber	Leather	Cement	Line Colours	Textile Papers	Ceramic Printing	PVC Leather Cloth	Plastics	Chalk & Crayons
1	Yellow 3	11710	✓	✓	✗	✓	✗	✓	—	✗	✗	✗	✓
2	Yellow 12	21090	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓
3	Yellow 13	21100	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	—
4	Yellow 14	21095	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗	—
5	Yellow 17	21105	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✗
6	Yellow 74	11741	✓	✓	✓	✗	✗	✓	✓	✓	✗	✗	✓
7	Yellow 83	21108	✓	✓	✓	✓	—	—	✓	✓	✓	✓	—
8	Orange 5	12075	✓	✓	✓	✓	—	—	✓	—	✓	✓	✓
9	Orange 13	21110	✗	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
10	Orange 34	21115	✓	✓	✓	✗	✓	✓	✓	✗	✓	✓	✓
11	Blue 15:0	74160	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	Blue 15:3	74160	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓