



TECHNICAL DATA SHEET

MANALI SCARLET S-221

Product Description

S-221 is a Molybdate Orange pigment of our 22 series and is also popularly known as Scarlet Chrome. These pigments are used when the emphasis is on economy rather than fastness to light and weathering and resistance to SO₂. They are particularly suitable as the sole colorant present either in the full or reduced shades and in combination with other pigments for producing oranges.

Product Information

Chemical Type	Chrome Molybdate	CAS No.	12656-85-8
C.I. Name	Pigment Red 104	EINECS / ELINCS No.	235-759-9
C. I. Constitution No.	77605	Physical Appearance	Red Powder

Application Profile

Paints	*	Rubber	--
Printing Inks	*	Leather Pastes	*
Plastics	*	Linoleum	*
PVC Leather Cloth	*	Paper Coating	--
Chalk/Crayons	--	Engineering Plastics	--

* RECOMMENDED -- NOT RECOMMENDED

Technical Performance

			Full Tone	Tint Tone (1:10)
Heat Stability	200 ⁰ C – 220 ⁰ C (10 minutes)	Weather Fastness (1 – 5)	3 – 4	3
		Light Fastness (1 – 8)	5 – 6	5 – 6

LIGHT FASTNESS [1 – POOR 8 – EXCELLENT]

WEATHER FASTNESS [1 – POOR 5 – EXCELLENT]

Physical Properties

Oil Absorption (gm /100 gm)	14 +- 10%	Resistance to Acid (1 – 5)	3
Specific Gravity	6.3 +- 0.1	Resistance to Alkali (1 – 5)	4
Bulk Density (g/ml)	1.15 +- 0.1	Resistance to SO ₂ (1 – 5)	2
Volatile Matter	1% Max.	pH Value	6 – 8

1 – POOR 5 – EXCELLENT