



## TECHNICAL DATA SHEET

### MANALI ZINC CHROME Z-01

#### Product Description

This is Basic Potassium Zinc Chromate pigment intended for use mainly as anti-corrosive pigment for its rust-inhibiting properties in general.

#### Product Information

<b>Chemical Type</b>	Chrome	<b>Chemical Composition</b>	$K_2CrO_4 \cdot 3ZnCrO_4 \cdot Zn(OH)_2$
<b>C.I. Name</b>	Pigment Yellow 36	<b>Physical Appearance</b>	Yellow Powder
<b>C. I. Constitution No.</b>	77955		

#### Application Profile

<b>Anti-corrosive Red Oxide / Yellow Oxide Primers</b>	*	<b>Rubber</b>	--
		<b>Leather Pastes</b>	--
		<b>Linoleum</b>	--
<b>PVC Leather Cloth</b>	--	<b>Paper Coating</b>	--
<b>Chalk/Crayons</b>	--	<b>Engineering Plastics</b>	--

\* RECOMMENDED -- NOT RECOMMENDED

#### Technical Performance

ZnO (mass %)	36.5% - 40%	Water soluble Chromate Content	0.25% - 0.50%
CrO <sub>3</sub> (mass %)	43% minimum	Water Soluble Chlorides	0.1% maximum
K <sub>2</sub> O (mass %)	10% - 12%	Water Soluble Sulphates	0.1% maximum

#### Physical Properties

Oil Absorption (gm /100 gm)	15 +/- 10%	Resistance to Acid (1 - 5)	N.A.
Specific Gravity	3.2 +/- 0.1	Resistance to Alkali (1 - 5)	N.A.
Bulk Density (g/ml)	0.75 +/- 0.1	Resistance to SO <sub>2</sub> (1 - 5)	N.A.
Volatile Matter	1% Max.	pH Value	6 - 8

1 - POOR 5 - EXCELLENT