



## 333 Chromium Oxide Green

**Description:** 333 is a high quality, clean, light to medium shade, very stable green pigment that is unaffected by acids, alkalis and solvents. 333 is heat stable and offers excellent value, lightfastness and weatherability. FDA approved (Section 178.3297).

<b>Chemical Type</b>	Chromium Oxide Green	<b>Constitution No.</b>	77288
<b>Color Index</b>	Pigment Green 17	<b>CAS No.</b>	1308-38-9

### Resistance Properties

<b>MEK</b>	5	<b>Ethanol</b>	5
<b>Water</b>	5	<b>Ethyl Acetate</b>	5
<b>Mineral Spirits</b>	5	<b>Acid</b>	5
<b>Xylene</b>	5	<b>Alkali</b>	5

Legend: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent

### Product Characteristics

<b>Migration (1-5)</b>	5	<b>Lightfastness (1-8): Masstone</b>	8
<b>Heat Stability (°C/°F)</b>	982°C (HDPE)	<b>Lightfastness (1-8): Tint 1:10</b>	8
<b>Warpage Rating (1-3) * Plastic Only</b>	1	<b>Weatherfastness (1-5): Masstone</b>	8
<b>Overpaint Resistance * Paints Only</b>	5	<b>Weatherfastness (1-5): Tint 1:10</b>	8

Warpage: 1 = minimal, 2 = some, 3 = severe    Weatherfastness: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent    Lightfastness: 1-2=Poor, 3-4=Fair, 5=Good, 6-7=Very Good, 8=Excellent

### Physical Properties

<b>Particle Size (µm)</b>	1.5-1.8	<b>pH</b>	6.0-8.0
<b>Specific Surface Area (m<sup>2</sup>/g)</b>	3.2	<b>Specific Gravity</b>	5.10
<b>Oil Absorption (g/100g)</b>	15-25	<b>Bulk Density (kg/L)</b>	
<b>Volatile Content (%)</b>	≤ 0.15	<b>Melting Point</b>	2300°C
<b>Solubility in Water</b>	Insoluble	<b>Sieve Residue (325 Mesh)</b>	≤ 0.3

### Applications

Plastics		Coatings		Inks		Other	
PVC	■	Decorative	■	Water Flexo		Paper	
PE	■	Automotive/Aerospace	■	Solvent Flexo		Rubber	
PP	■	Industrial	■	InkJet		Finger Paints	
PS	■	Powder	■	UV		Seed Coatings	
PET	■			Offset			

#### Fiber

Not Frequently Used     Limited     Recommended

**Comments:** This pigment is also recommended for the construction industry.

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