



# Gemspere Red BA101 YS

**Description:** Surfactant and Water Based Dispersion of Opaque Red 101 (Yellow Shade)

<b>Chemical Type</b>	Opaque Red Iron Oxide	<b>Constitution No.</b>	77491
<b>Color Index</b>	Pigment Red 101	<b>CAS No.</b>	1309-37-1

## 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>	4
<b>Xylene</b>	5	<b>Alkali</b>	4

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

## Product Characteristics

<b>Heat Stability (°C/°F)</b>	200°C	<b>Weatherfastness (1-5): Masstone</b>
<b>Lightfastness (1-8): Masstone</b>	8	<b>Weatherfastness (1-5): Tint 1:10</b>
<b>Lightfastness (1-8): Tint 1:10</b>	8	

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

Lightfastness: 1-2=Poor, 3-4=Fair, 5=Good, 6-7=VG, 8=Excellent

## Physical Properties

<b>Fineness of Grind (µm)</b>	<10	<b>Specific Gravity</b>	1.7 - 2.1
<b>Volatile Organic Content (ppm)</b>	<700	<b>Viscosity (cP)</b>	1000 - 3000
<b>pH</b>	8 - 9.5	<b>Pigment Content (%)</b>	70

## Applications

Plastics		Coatings		Inks		Other	
PVC	<input type="checkbox"/>	Decorative	<input checked="" type="checkbox"/>	Water Flexo	<input checked="" type="checkbox"/>	Paper	<input type="checkbox"/>
PE	<input type="checkbox"/>	Automotive/Aerospace	<input checked="" type="checkbox"/>	Solvent Flexo	<input type="checkbox"/>	Rubber Latex	<input checked="" type="checkbox"/>
PP	<input type="checkbox"/>	Industrial	<input checked="" type="checkbox"/>	InkJet	<input type="checkbox"/>	Finger Paints	<input type="checkbox"/>
PS	<input type="checkbox"/>	Powder	<input type="checkbox"/>	UV	<input checked="" type="checkbox"/>	Seed Coatings	<input checked="" type="checkbox"/>
PET	<input type="checkbox"/>			Offset	<input checked="" type="checkbox"/>		

Not Frequently Used     Limited     Recommended

**Comments:** Ferric Oxide (Fe<sub>2</sub>O<sub>3</sub>). Wide range of shades but mostly in the dull red ochre color with low tinting strength. Otherwise ideal application properties with excellent fastness to light, solvents and chemicals and a relatively low price. Normally opaque - some transparent grades are much more expensive but widely used for transparent wood finishes. Good physiological properties

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