

## 23300 Permanent Yellow light

Chemical group: Benzimidazolone  
C.I. Number: Pigment Yellow 151, C.I. 13980

Greenish yellow pigment with excellent fastness to light and weathering, especially in deep shades. Relatively good opacity for an organic pigment. As it has very good flow properties in paints, it can also be used at high pigment concentrations (25 - 30 % pigment relative to solid binder) without affecting the gloss. It should be borne in mind that the resistance to very strong alkalis is unsatisfactory.

Application Profile		Physical Data	
Automotive Coatings	-	Density [g/cm <sup>3</sup> ]	1.55
Industrial Coatings	-	Form of Supply	powder
		Specific Surface [m <sup>2</sup> /g]	23
		Oil Absorption Number [ml/100g]	48
		Avg. Size of Primary Particles [nm]	215
		Heat Stability [°C]	200
Special Recommendations			
Air-drying Alkyds			
Physically Drying Paints			
Baking Enamels			
Acid Cured Paints			
Amine Cured Epoxies			
Isocyanate Cured Paints			
Waterbased Paints	-		

= recommended  
= limited suitability  
- not recommended

Fastness Data							
		to Light		to Weathering*			
		LOA	AM	12 Months		24 Months	
				LOA	AM	LOA	AM
Full Shade		8	8	5	5	5	4-5
Deep Shade		8	8	5	5	4-5	4-5
1/3 ST	[ 1:2.9 TiO <sub>2</sub> ]	8	8	4-5	4-5	4	4-5
1/25 ST	[ 1:42 TiO <sub>2</sub> ]	7-8	7-8	4	4	3-4	3-4
Acids		5		Alkali		3	
Water		5		Butanol		4-5	
Butyl Glycol		4		Butyl Acetate		4-5	
Methyl Ethyl Ketone		4-5		White Spirit		5	
Xylene		4-5		Dibutyl Phthalate		4-5	
Blooming		No blooming observed		Fastness to Overpainting			
					NC	AM (120°C)	AM (160°C)
					5	5	5

LOA - Air-drying Long Oil Alkyd  
AM - Baked Alkyd-Melamine  
NC - Nitrocellulose Combination Lacquer