Clariant

Edition 04/02/2008

**Pigments & Additives Division** 

## Product Data Sheet - Organic Pigments for Paints

## Permanent Red FGR 70

Pigment Red 112								
Chem. Group:	Naphthol AS	C.INo.:	12370	CAS No.:				
Product No.:	104972							
Product Description	า							

Slightly higher opacity and considerably better rheological properties at higher pigment concentrations than Permanent Red FGR and therefore of particular interest for opaque full shades in the signal red range. Slightly lower tinctorial strength in reductions with titanium dioxide. Fastness properties virtually the same.

Application Profile		Physical Data			
		Density [g/cm <sup>3</sup> ]	1.48		
Industrial Coatings	-	Form of Supply	powder		
Decorative Paints	-	Specific Surface [m <sup>2</sup> /g]	11		
		Oil Absorption Number [ml/100g]	48		
Special Recommendations		Avg.Size of Primary Particles [nm]	295		
		Heat Stability [°C]	180		
Air-drying Alkyds	•				
Physically Drying Paints	•				
Baking Enamels	0				
Acid Cured Paints	•	= recommended			
Amine Cured Epoxies	0	O= limited suitability			
Isocyanate Cured Paints	0	- not recommended			
Waterbased Paints	•				

Fastness Data

	to Light			to Weathering*				
				12 Months		24 Months		
		LOA	AM	LOA	AM	LOA	AM	
Full Shade		7-8	8	4-5	4-5	4-5	4-5	
Deep Shade		7-8	8	3-4	4	3	3-4	
1/3 ST	[ 1:4.4 TiO <sub>2</sub> ]	6-7	7-8	3	3-4	2-3	2-3	
1/25 ST	[ 1:53 TiO <sub>2</sub> ]	6	6	3	3	2	2-3	
Acids	5		Alkali					
Water		5		Butanol		3-4		
Butyl Glycol	:	3		Butyl Acetate		2-3		
Methyl Ethyl Ketone		2-3		White Spirit		4		
Xylene		2-3		Dibutyl Phthalate		3		

Risk of blooming

LOA - Air-drying Long Oil Alkyd

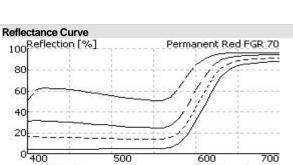
AM - Baked Alkyd-Melamine

NC - Nitrocellulose Combination Lacquer

Other Application

Ink Pigments

Blooming



AM (120°C)

1

AM (160°C)

1



NC 3

Fastness to Overpainting