

Permanent Red FGR 70

Edition 04/02/2008

Pigment Red 112

Chem. Group: Naphthol AS

C.I.-No.: 12370

CAS No.:

Product No.: 104972

Product Description

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

Industrial Coatings	-
Decorative Paints	-

Special Recommendations

Air-drying Alkyds	●
Physically Drying Paints	●
Baking Enamels	○
Acid Cured Paints	●
Amine Cured Epoxies	○
Isocyanate Cured Paints	○
Waterbased Paints	●

Physical Data

Density [g/cm ³]	1.48
Form of Supply	powder
Specific Surface [m ² /g]	11
Oil Absorption Number [ml/100g]	48
Avg. Size of Primary Particles [nm]	295
Heat Stability [°C]	180

● = recommended
○ = limited suitability
- = not recommended

Fastness Data

	to Light	
	LOA	AM
Full Shade	7-8	8
Deep Shade	7-8	8
1/3 ST [1:4.4 TiO ₂]	6-7	7-8
1/25 ST [1:53 TiO ₂]	6	6

Acids	5
Water	5
Butyl Glycol	3
Methyl Ethyl Ketone	2-3
Xylene	2-3
Blooming	Risk of blooming

to Weathering*

	12 Months		24 Months	
	LOA	AM	LOA	AM
Full Shade	4-5	4-5	4-5	4-5
Deep Shade	3-4	4	3	3-4
1/3 ST	3	3-4	2-3	2-3
1/25 ST	3	3	2	2-3

Alkali	5
Butanol	3-4
Butyl Acetate	2-3
White Spirit	4
Dibutyl Phthalate	3

Fastness to Overpainting

NC	AM (120°C)	AM (160°C)
3	1	1

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

Other Application

Ink Pigments

Reflectance Curve

