

DUWA[®] Fast Red R-170-F5

Organic Naphthol AS Red Pigment

C.I. Pigment Red 170 (F5RK)

C.I. No. 12475

Product Description

DUWA[®] Fast Red R-170-F5 is an organic AS Naphthol red pigment characterized by high brilliance, superior tinting strength, superior migration resistance, excellent lightfastness and weatherfastness, and high heat resistance. It is more bluish than its counter parts: DUWA Fast Red R0170-F3. It is a fine medium red powder with the following properties:

Table 1
Physical Properties of Pigment Powder

DUWA [®] Fast Red R-170-F5	
Property	
Density, g/cm ³	1.5
Bulk Volume, ml/g	9.0
pH Value	6.0 ~ 7.0
Oil Absorption, g/100g	30 ~ 40
Moisture Content, max, %	0.5
Total Matter Soluble in Water, max, %	0.5
Residue on 325 Mesh Sieve, max, %	0.5
Tinting Strength	5
Hiding Power	5

Note: All values are typical unless otherwise stated.

Table 2
Fastness Properties in Coatings

DUWA [®] Fast Red R-170-F5		
Fastness to Weathering	Full Shade	5
	Tinting Shade	5
Fastness to Light	Full Shade	8
	Tinting Shade	8
Overspray Fastness	Nitrocellulose	5
	Enamel	
	Stoving Enamel	N.A.

Note: All values are typical unless otherwise stated.

Table 3
Resistance Properties in Coatings

DUWA [®] Fast Red R-170-F5		
Resistance to Solvents	Water	5
	Ethyl Alcohol	5
	Buthyl alcohol	5
	Cellosolve	5
	Ethyl Acetate	4 ~ 5
	M.E.K.	5
	Xylene	5
	Mineral Spirit	5
	Dibuthyl Phtalate	5
	Glycol	5
Resistance to Chemicals	Linseed Oil	4
	Lard	4
	Paraffin Wax	5
	Acid (2% HCl)	5
	Alkali (2% NaOH)	5
Heat Resistance	Detergent	5
	Soap	5
	165°C/ 15 min (Paint)	5
	150°C/ 20 min (Paint)	5
	120°C/ 45 min (Paint)	5
	220°C/ 5 min (Plastic)	5
240°C/ 5 min (Plastic)	5	
260°C/ 5 min (Plastic)	5	

Note: All values are typical unless otherwise stated.

Applications

- Off-set, Gravure and Letterpress Printing Inks.
- O.E.M. Finishes and Automobile Refinishes.
- High-Grade Architectural and Industrial Coatings.
- Wide Range of Polymers (Polyolefin, Rigid PVC, etc)
- Films made of plasticized PVC, PVC or PUR simulated leather.