

## VERSAL RED F2R

TiO<sub>2</sub> 1:1

TiO<sub>2</sub> 1:10

### Characteristic

C. I.	Pigment Red 2
C. I. No.	12310
CAS No.	6041-94-7
Chemical Class	Naphthol AS

### Properties

Oil Absorption [ml/100 g]	60
Density [g/cm <sup>3</sup> ]	1.5
Bulking Volume [l/kg]	4.0

### Fastness

DOP	2
Linseed Oil	3
White Spirite	3
Xylene	2
Acetone	2
Butylacetate	2
Ethanol	2
Water	5
HCl 2.5%	5
NaOH 2.5%	5
Light - Full Shade	6-7
Light - 1/1	5-6
Light - 1/3	4-5
Weather - Full Shade	3
Weather - 1/1	2
Weather - 1/3	2
Overspray	2-3
Heat Resistance [°C]	C
Migration	140

C - in Coatings

### Application Possibilities

Paints - Decorative

Paints - Industrial

● main application



○ side application

## Other Informations

Shelf Life

48 months

## Testing methods

### Density

- determined by ČSN EN ISO 787-10: 1997 (67 0520) in  $\text{v g/cm}^3$

### Bulking Volume

- denotes the volume of 1 kg of loosely poured pigment, expressed in litres

### Oil Absorbtion

- determined by ČSN EN ISO 787-5: 1997 (67 0520) in ml/100 g pigment

### Fastness to Solvents

- colouring of solvent after 24 h at 20 °C according to ISO grey scale is determined; degree 1 denotes the lowest fastness, degree 5 the highest one

### Fastness to Reagents

- colouring of reagents after 24 h at 20 °C according to ISO grey scale is determined; degree 1 denotes the lowest fastness, degree 5 the highest one

### Light Fastness - Xenotest

- determined by ČSN EN ISO 105-B02: 2000 (80 0147) and evaluated in 1/3 and 1/1 of standard depth and in full shade; determined according to blue scale, by it degree 1 denotes the lowest fastness, degree 8 the highest one

### Weathering Fastness - Xenotest

- determined by ČSN EN ISO 105-B04: 1998 (80 0171) and evaluated in 1/3 and 1/1 of standard depth and in full shade; determined according to grey scale, by it degree 1 denotes the lowest fastness, degree 5 the highest one

### Overspray Fastness

- assessment of bleeding into a white nitrocellulose combination lacquer for 60 min. at 70 °C against ISO grey scale; by it degree 1 denotes the lowest fastness, degree 5 the highest one

### Heat Resistance

- the values quoted indicate up to what temperature the pigments do not significantly alter; these are guide values which can be influenced by the binder used and the period of exposure to high temperature

### Migration Fastness

- assessment of bleeding into a white polyvinylchloride sheet for 24 h at 70 °C against ISO grey scale; by it degree 1 denotes the lowest fastness, degree 5 the highest one; no data means that the pigment is not recommended for dyeing of PVC

### Fastness to plasticizers

- colouring of plasticizer (diethylhexylterephthalate) after 24 h at 20 °C according to ISO grey scale is determined; degree 1 denotes the lowest fastness, degree 5 the highest one