

1/1

B=1/6

Characteristics

C. I.	Pigment Orange 5
C. I. No.	12 075
CAS No.	3468-63-1
Chemical class	Organic pigment

Physical Properties

Content of pigment [%]	50
Content of solids [%]	53
Specific gravity [g/cm ³]	1,03
pH	8,5-9,5

Fastness

Light - Full Shade (1/1)	6-7
Light - B=1/6	5-6
Resistance to acids	5
Resistance to alkali	5

Application Possibilities

Paints based on polymer dispersions of - Polyvinylacetate	●
Paints based on polymer dispersions of - Acrylate	●
Paints based on polymer dispersions of - Alkyde	●
Wood stains	●
● main application	○ using under certain conditions

Testing methods

- Pigment preparations **Versanyl** are standardised in colour strength and colour shade. These properties are tested on the level of standard depth B = 1/6 by mixing of pigment preparation with the paint BALAKRYL V 2045/0100. Difference in colour strength $\pm 5\%$ is guaranteed.
- **Content of pigment**
is tested by centrifuge method, small variability against the average value in the table is allowed, the value is not guaranteed, because of garancy for colour strength.
- **Content of solids**
2 g of pigment dispersion was dried in the lab oven at 105 °C till the constant weight. The value is not guaranteed, because it of garancy for colour strength.
- **Specific weight**
determined by pycnometric method. It depends on content of pigment
- **pH**
is determined by measuring of 4 % solution in distilled water. It depends on content of pigment
- **Lightfastness - Xenotest**
determined by ČSN EN ISO 105-B02; 2000 (80 0147) in deep shade paint and in the level of standard depth B = 1/6, evaluated according to blue scale, by it degree 1 denotes the lowest fastness, degree 8 the highest one.
- **Resistance to alkalis and acids**
1,5 cm wide strips of draw downs at standard depth B = 1/3 were immersed with the dwell time of 5 min. in 2 % solution of caustic soda or 5 % hydrochloric acid, then washed and dried. The change of the shade was evaluated against the not immersed draw down by ISO - Grey scale. Degree 1 denotes the lowest fastness, degree 5 the highest one.