

## Product Information

### Bayferrox<sup>®</sup> 920 C

#### Description

Type	Yellow pigment
Field of application	for the building industry
Delivery form	Compacted pigment
Chemical class	Synthetic iron oxide alpha FeOOH
CAS-No.	20344-49-4

This product fulfills the requirements of EN 12878 category A (non reinforced materials) and category B (reinforced materials).

#### Specification

Colour values and tinting strength			
Reference	Bayferrox 920		
Powder standard	2003		2003
Binder	Cement mortar		
	<b>min</b>	<b>max</b>	<b>Test method</b>
Color Consistency			No. 015 <sup>41</sup>
Color Difference Delta-E <sub>ab</sub> <sup>*</sup>		1.5	
Relative tinting strength [%] after matching of the tinting strength parameter (Delta-L <sup>*</sup> =0)	95	105	Test procedure similar to EN 12878 <sup>41</sup>

#### Informative technical data (guide values)

			<b>Test method</b>
pigment data			
Content Fe <sub>2</sub> O <sub>3</sub> [%]	~	82	as per DIN 55 913 sheet 2 (1972)
Content SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub> [%]		1.0	as per DIN 55 913 sheet 2 (1972)

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Water-soluble content [%]		3.5		as per DIN EN ISO 787 part 3 (1995) <sup>28</sup>
Bulk density [g/ml]		0.5	- 0.9	as per DIN EN ISO 787 Teil 11 (1995)
water absorption [g/100 g]	~	46		as per DIN EN ISO 787 Teil 5 (1995) <sup>29</sup>
pH value	~	5.0		as per DIN EN ISO 787 part 9 (1995)
Moisture content (after production) [%]		1.0		as per DIN EN ISO 787 part 2 (1995)
Density [g/ml]	~	4.1		as per DIN EN ISO 787 Teil 10 (1995)
Additional parameters concerning concrete technology				
Influence on setting time		60		similar to DIN EN 196-3
Maximum difference between the initial setting time of mixes with/without pigment [min]				
Influence on compressive strength as strength loss based on unpigmented mix [%]		10		similar to DIN EN 196-1

<sup>28</sup>Pigment test method No. 010<sup>41</sup>

<sup>29</sup>Pigment test method No. 011<sup>41</sup>

<sup>40</sup>see separate information sheet "Pigment test pastes"<sup>41</sup>

<sup>41</sup>obtainable from LANXESS Deutschland GmbH, Business Unit Inorganic Pigments, Fax +49-2151-88-9599-4139, Email [ipg.product-information@lanxess.com](mailto:ipg.product-information@lanxess.com)

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### Packaging

25-kg-bag  
750-kg-bulk bag

### Transport and storage

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.  
Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

### Safety

The product is not classified as dangerous under the relevant EC Directives and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations.

In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labelling and transport of dangerous substances must be ensured. The safety data sheet should be observed. This contains information on handling, product safety and ecology.

Safety data sheet no.: 762982