

## Product Information

### Bayferrox® 110 C

#### Description

Type	Red pigment
Field of application	for the building industry
Delivery form	Compacted pigment
Chemical class	Synthetic iron oxide alpha-Fe <sub>2</sub> O <sub>3</sub>
Colour Index	Pigment red 101 (77491)
CAS-No.	1309-37-1
REACH registration no.	01-2119457614-35-0000
This product fulfills the requirements of EN 12878 category A (non reinforced materials).	

#### Specification

Colour values and tinting strength			
Standard for C + G	Bayferrox 110		
Year	2012		
Binder	Cement mortar		
	<b>min</b>	<b>max</b>	<b>Test method</b>
<b>Color Consistency</b>			No. 015 <sup>41</sup>
Color Difference Delta-E <sub>ab</sub> *		1.5	
Relative tinting strength [%] after matching of the tinting strength parameter (Delta-L*=0)	95	105	Test procedure similar to EN 12878 <sup>41</sup>

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### Informative technical data (guide values)

Pigment data			Test method
$\alpha$ - Fe <sub>2</sub> O <sub>3</sub> Content [%] <sup>53</sup>	>	97.2	information about the determination of iron oxide <sup>41</sup>
Water-soluble content [%]	<	2.3	as per DIN EN ISO 787-3:1995 <sup>28</sup>
Bulk density [g/ml]		0.9 - 1.3	as per DIN EN ISO 787-11:1995
Water absorption [g/100 g]	~	30	as per DIN EN ISO 787-5:1995 <sup>29</sup>
pH value		3 - 7	as per DIN EN ISO 787-9:1995
Moisture content (after production) [%]	<	1.0	as per DIN EN ISO 787-2:1995
Density [g/ml]	~	5.0	as per DIN EN ISO 787-10:1995
<b>Additional parameters concerning concrete technology</b>			
Influence on setting time Maximum difference between the initial setting time of mixes with/without pigment [min]	<	60	similar to DIN EN 196-3
Influence on compressive strength as strength loss based on unpigmented mix [%]	<	10	similar to DIN EN 196-1

## Bayferrox® 110 C

### Packaging

The product is available in sacks or bulk bags. For further information please ask your local contact or send an enquiry by e-mail to [mailto: ipg.product-information@lanxess.com](mailto:ipg.product-information@lanxess.com)

### Transport and storage

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.

### 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.  
The safety data sheet is available at [www.bayferrox.de](http://www.bayferrox.de).

### Status of registration (not specified)

The components of this product are listed on the following inventories:

Europe: EINECS	USA: TSCA	Canada: DSL	Australia: AICS	New Zealand: NZIOC
Philippines: PICCS	Japan: METI	Korea: ECL	China: IECSC	Taiwan: NECSI

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

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

<sup>53</sup> Minor elements may arise from the raw materials used. However, these are firmly bound to the crystal lattice as ions.