

Product Information

Bayferrox® 130 G

Description

Type	Red pigment
Field of application	for the buidling industry
Delivery form	Microgranules
Chemical class	Synthetic iron oxide alpha-Fe ₂ O ₃
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 130		
Year	2011		
Binder	Cement mortar		
	min	max	Test method
Color Consistency			No. 015 ⁴¹
Color Difference Delta-E _{ab} *		1.5	
Relative tinting strength [%] after matching of the tinting strength parameter (Delta-L*=0)	95	105	Test procdure similar to EN 12878 ⁴¹

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Informative technical data (guide values)

Pigment data			Test method
α - Fe ₂ O ₃ Content [%] ⁵³	>	97.9	information about the determination of iron oxide ⁴¹
Water-soluble content [%]	<	1.7	as per DIN EN ISO 787-3:1995 ²⁸
Bulk density [g/ml]		1.0 - 1.4	as per DIN EN ISO 787-11:1995
Water absorption [g/100 g]	~	30	as per DIN EN ISO 787-5:1995 ²⁹
pH value		5.0 - 10.0	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
Additional parameters concerning concrete technology			
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

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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.
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.
The safety data sheet is available at 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

²⁸Pigment test method No. 010⁴¹

²⁹Pigment test method No. 011⁴¹

⁴¹obtainable from LANXESS Deutschland GmbH, Business Unit Inorganic Pigments,
Fax +49-2151-88-9599-4139, Email ipg.product-information@lanxess.com

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