

# TECHNICAL DATA SHEET

YIPIN<sup>®</sup> Iron Oxide Pigment  
Iron Oxide Black S320(722)-J



<b>Edition of</b>	2008-12-23
<b>Type</b>	Black pigment
<b>Delivery Form</b>	Powder pigment
<b>Chemical Class</b>	Synthetic Iron Oxide
<b>Color Index</b>	Pigment Black 11(77499)
<b>CAS No.</b>	1317-61-9
<b>Use Recommendation</b>	Building Industry

## COLOR VALUES AND TINTING STRENGTH

Reduction with titanium dioxide (1:5)	TRONOX <sup>®</sup> R-KB-2	No.001, 1995-04-28 <sup>41</sup>	
$\Delta L^*$	-0.7	+0.7	
$\Delta a^*$	-0.7	+0.7	
$\Delta b^*$	-0.7	+0.7	
$\Delta E^*_{ab}$		1.0	
Binder	Barytes		
Relative tinting strength [%]	95	105	No.003, 1994-03-11 <sup>41</sup>

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	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Water-Soluble Content [%]		1.0	DIN EN ISO787 Part 3 (1995)
Sieve Residue (0.045mm) [%]		0.5	DIN EN ISO787 Part 2 (1995)
Fe <sub>3</sub> O <sub>4</sub> [%]	94.0		DIN 55913 Sheet 2 (1972)
Moisture (After Production) [%]		1.0	DIN EN ISO 787 Part 2 (1995)
SiO <sub>2</sub> +Al <sub>2</sub> O <sub>3</sub> Content [%]		0.6	DIN 55913
Particle Shape		Spherical	

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	<u>Approx.</u>	
Predominant Particle size [ $\mu\text{M}$ ]	0.2	Electron Micrographs
Oil Absorption [ $\text{g}/100\text{g}$ ]	25	DIN EN ISO787 Part 5 (1995)
Density [ $\text{g}/\text{ml}$ ]	4.5	DIN ISO 787 Part 10(1995)

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<b>STANDARD PACKAGING</b>	25kg/bag
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## 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.

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## 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, labeling and transport of dangerous substances must be ensured.

The information contained in the safety data sheet should be observed.

This contains information on handling, product safety and ecology.

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