

**TECHNICAL DATA SHEET**  
YIPIN<sup>®</sup> Pigments for Coloring Concrete  
Products  
Mahogany R11



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<b>Edition of</b>	2009-06-07
<b>Type</b>	Mahogany pigment
<b>Delivery Form</b>	Powder
<b>Chemical Class</b>	$\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ; Fe <sub>3</sub> O <sub>4</sub> ; Fe <sub>2</sub> O <sub>3</sub> •H <sub>2</sub> O
<b>Color Index</b>	Pigment Red 101(77491); Pigment Black11: 77499 ; Pigment yellow 42 (77492)
<b>CAS No.</b>	1309-37-1;1317-61-9;20344-49-4
<b>Use Recommendation</b>	concrete

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**COLOR VALUES**

Reduction with titanium dioxide (1:2) colour values after matching of the tinting strength parameter

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
$\Delta L^*$	-0.7	0.7	
$\Delta a^*$	-0.7	0.7	
$\Delta b^*$	-0.7	0.7	No.001, 2001-01-01
$\Delta E^*ab$		1.0	
Relative tinting strength [%]	95	105	

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**TECHNICAL DATA**

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Water-Soluble Content [%]		1.0	DIN ISO787- 3 (1983)
Sieve Residue (0.045mm) [%]		0.5	DIN 53195 (1990)
105°C Moisture (After Production) [%]		1.0	DIN ISO 787- 2 (1983)

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<b>STANDARD PACKAGING</b>	12.5 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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This information is given in good faith, without warranty. It is also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General conditions of sale and delivery.

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