

TECHNICAL DATA SHEET
YIPIN[®] Pigments for Coloring Concrete
Products
Dark Brown R12



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

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>
ΔL^*	-0.7	0.7	
Δa^*	-0.7	0.7	
Δb^*	-0.7	0.7	No.001, 2001-01-01
ΔE^*ab		1.0	
Relative tinting strength [%]	95	105	

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)

TECHNICAL DATA SHEET
YIPIN[®] Pigments for Coloring Concrete
Products
Dark Brown R12



STANDARD PACKAGING	12.5 25kg/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, 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.

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.

YIPIN PIGMENTS, INC. Tel: 1 909 243 7394 Fax: 1 909 243 7397 www.yipin.com
一品颜料 Tel:+86-21-5950 8 5 0 9 Fax: +86-21-5950 7893 ngw@yipin.com