

Product Information

Manganese Umber

Product Description:

Manganese umber is a natural brown or reddish-brown pigment that is composed of manganese oxide and iron oxide. It can be produced from a few different minerals. Its addition to red firing clay produces range of brown colors dependent on dosing.

Applications:

Manganese umber is used as a pigment in the production of ceramics and glass. It is suitable for use in the production of bricks, pavers, roof tiles and many other ceramics.

Specifications:

Parameters (units)	Specifications
Mn (%)	42 - 45
SiO ₂ (%)	2 - 6
Fe (%)	14 - 19
CaO (%)	≤ 7.5
MgO (%)	≤ 2
H ₂ O (%)	≤ 4.0
Particle size, retained on 45 µm (%)	≤ 3
Bulk density (g/mL)	1.53 - 1.55

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bisleyinternational.com

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Packaging:

Material is available in 25 kg bags, 1 MT bulk bags and 1.5 MT bulk bags. Further packaging options may be available upon enquiry.

Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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