United Umber Industries
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Product Data

Burnt Micronized Umber No.390

EINECS 235-784-5, CAS 12713-03-0

Burnt Micronized Umber No.390

Description

Burnt Micronized Umber No.390 is a natural pigment. *Burnt Micronized Umber No.390* is a naturally occurring ore, which is milled into powder at our facilities in Cyprus. Visual tests are conducted on each lot to maximize consistency and quality. The resulting pigment produces a light brown shade with natural undertones in wood gain applications. Umbers are preferred colorants in furniture stains and high-quality wood finishes because of their transparency and ability to enhance wood grain appearance. *Burnt Micronized Umber No.390* is also used in medium-gloss coatings, artist paints, coatings processed on intensive dispersing equipment, liquid colorants, paper, plaster and stucco applications. In addition, it is suitable to colour products made with cement. It is stable under exposure to sunlight and UV radiation and is alkali, chemical and weather resistant. *Burnt Micronized Umber No.390* is packaged in 25 kg multiwall paper bags and shrink-wrapped onto pallets of 40 bags (1000 kg).
Uses: wood stain, paint, colorants, adhesives, ink, concrete, stucco and plaster.

Composition/Typical Properties

Iron Oxide (Fe_2O_3) (%)	50-51
Manganese Oxide (MnO_2) (%)	2.52
Manganese (Mn) (%)	1.59
Magnesium Oxide (MgO) (%)	2.59
Calcium Oxide (CaO) (%)	3.19
Phosphorous Oxide (P_2O_5) (%)	1.16
Sodium Oxide (Na_2O) (%)	0.46
Potassium Oxide (K_2O) (%)	0.55
Aluminium Oxide (Al_2O3) (%)	4.39
Oil Absorption (g/100g)	56.51
Bulk Density (g/l)	510-620
325 Mesh Retention (%)	0.1
Water Soluble Salts (%)	1.83
Moisture & Volatile (%)	2.5-3.0
Ignition Loss (%)	6-8.5
Hegman Grind	4
pH (26 ^oC) 10%	7.0

Typical Trace Metal Content in Parts Per Million (ppm)

Arsenic (As)	<300
Barium (Ba)	<70
Cadmium (Cd)	<45
Chromium (Cr)	<55
Cooper (Cu)	870
Lead (Pd)	<350
Mercury (Hg)	<0.2
Selenium (Se)	<1.1

The values for typical contents and trace metals are provided as general information only. They are approximate values for reference and not specifications utilized in our standard QC procedures for colour and consistency.

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4th June, 2020