



Burnt Umbers

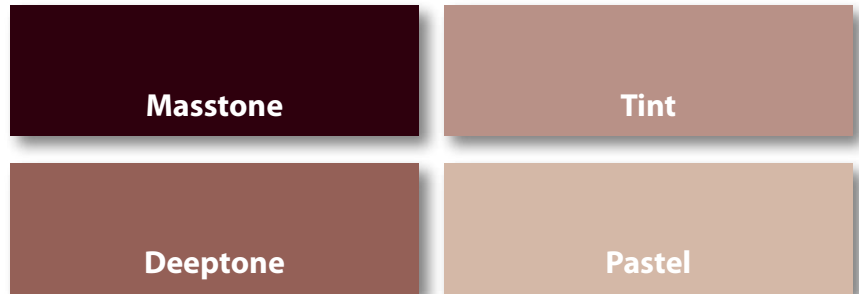
Natural Iron Oxides

Umbers are naturally occurring Iron Oxides that are highly valued for their transparency and neutral chromaticity. In their natural “crude or raw” form, their chemistry is similar to Yellow Iron Oxide. Like Yellow Iron Oxides, Burnt Umbers have limited heat stability at temperatures greater than 315°C/600°F. At higher temperatures, Umbers convert to a Red Iron Oxide, Fe₂O₃ chemical form just like a Yellow Iron Oxide. This heating conversion is normally referred to as burning, hence the term Burnt Umber.

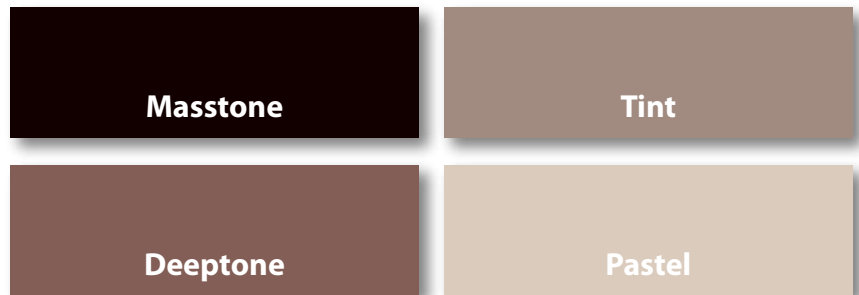
Our Good, Better, Best material grading system is unique. While the relative differences may be minor, matching material characteristics as close as possible will ensure both excellent performance and maximum value. In some cases, using a better grade of material may be a more cost effective alternative because less is required to obtain the color you need. Once we understand your performance and cost goals, we can recommend the right product and provide a sample for your evaluation.

Product Range

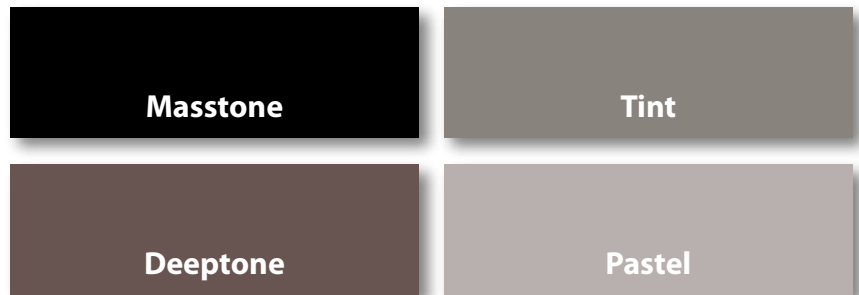
502BU



513BU



524BU



General Pigment Properties

Burnt Umber

Crystal Structure	Hematite
Chemical Composition	Fe ₂ O ₃
CAS#	12713-03-0
Color Index#	Brown 7
Light Fastness	Permanent
Chemical Resistance	Excellent
Heat Stability (°C/°F)	315°/600°

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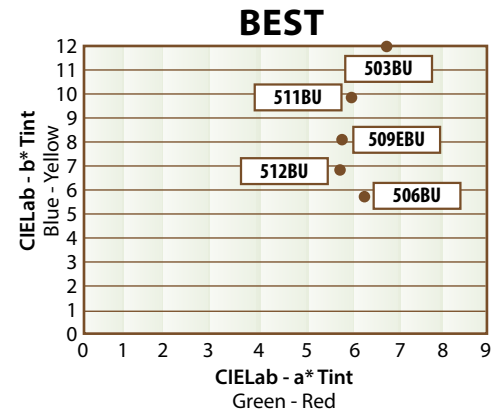
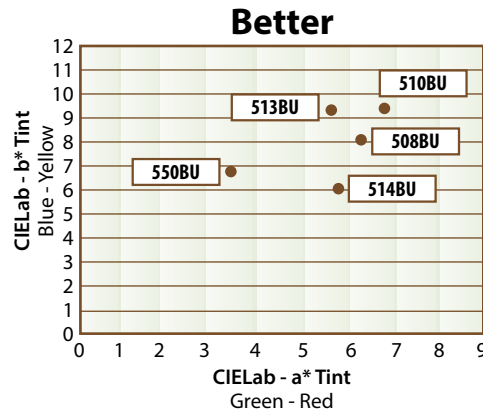
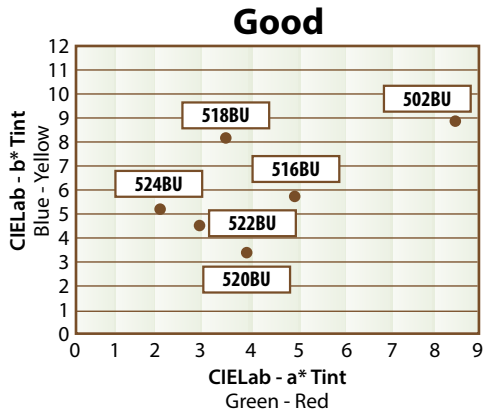
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Choosing the Right Material

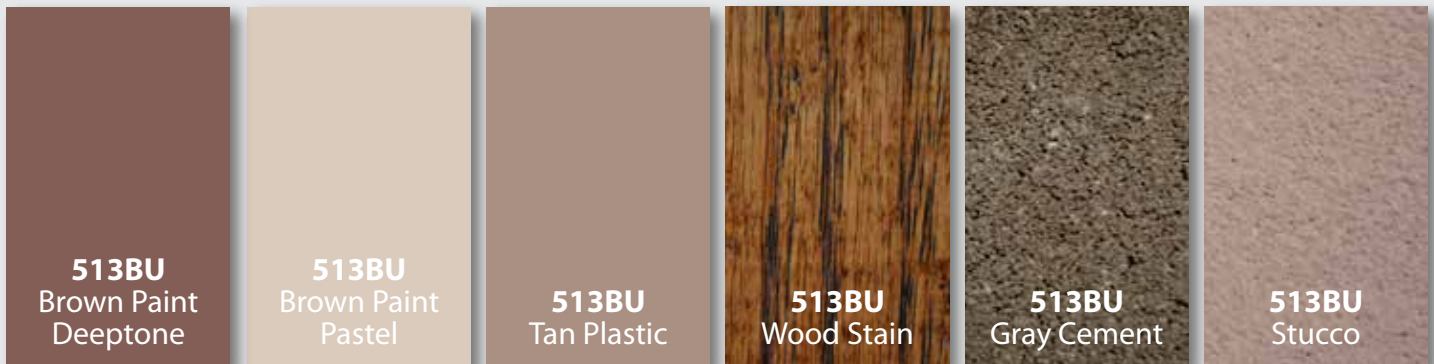
Hoover Color offers 16 standard Burnt Umbers. These grades vary in color-shade, dispersability and resulting viscosity and can be grouped into Good, Better and Best product groups, with the best being easiest to process and having the highest color strength.

Product Range	Hegman	Relative Color Strength	325 Mesh	pH	Relative Viscosity	Relative Cost
Good	4.5	100%	0.05%	8.0	100%	100%
Better	5.0	115%	0.05%	8.0	100%	100%
BEST	6.0	125%	0.01%	8.0	110%	110%



Color by Application

Burnt Umbers are used in a wide range of applications. A traditional pigment for transparent wood finishes, their heat stability also allows them to be used in high-heat applications such as coil coatings and plastics. In cement based applications, Burnt Umbers produce natural tan and brown colors.



Hoover Color pigments have been the industry standard since 1923. Whether you have a material or cost issue – or both - we can help. For engineered pigments with exceptional performance, quality and value, give us a call or email us today to get the conversation started. We will help you determine the right product for your specific application, and provide a sample for your evaluation.