

High Performance UV Absorber

Color Solutions

Chroma-Chem® Synermix® UV AL40

General Information

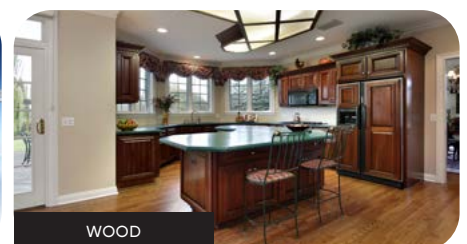
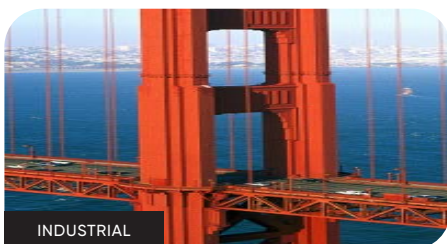
Synermix UV AL40 is an ultrafine titanium dioxide additive based on a modified long-oil alkyd dispersion with exceptionally broad compatibility, which offers protection to the film and substrate in clear coatings.

Key Benefits

The titanium dioxide in Synermix UV AL40 is 1/10th of the particle size of white (pigmentary) TiO₂, and therefore, smaller than the wavelength of visible light. The particles absorb, scatter and reflect UV light providing UV protection. This product can be used for transparent wood finishes and clear coatings from which organic UV absorbers have a tendency to migrate and sublime.

Applications

- Industrial coatings
- Aerospace coatings
- Exterior Wood coatings



Physical Properties

Property	Value
Appearance	White liquid
Pigment Concentration	40%
Specific Gravity	1.22
Weight per gallon	10.2 lbs.

Level of Usage

Synermix UV AL40 should be used in combination with HALS (hindered amine light stabilizers). Normal use levels are 2.5 · 5.0% of Synermix UV AL40 with 1.0 · 2.0% ultrafine TiO₂ as dry pigment, and 0.4% HALS on total coating weight

A ladder study is recommended to achieve the optimum performance.

Packaging

Synermix UV AL40 is available in pails and drum containers.

Please contact your local Vibrantz Technologies representative for the packaging available in your region.

Shelf Life

Synermix UV AL40 should be stored in a cool, well ventilated place in tightly sealed containers.

When kept in an original unopened container, it will remain stable for four years from the date of manufacture.

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