

Specialty Drier Alternative to Cobalt

Color Solutions

Chroma-Chem® Synermix® 5005

General Information

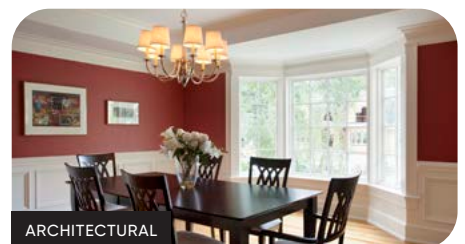
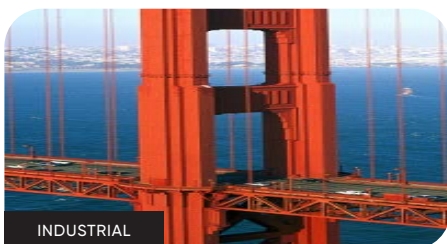
Synermix 5005 is a chelating catalyst designed to replace cobalt driers that cause undesirable side effects. Synermix 5005 is hydrolysis resistant to minimize initial and post dry color changes associated with cobalt. It is cut in xylene and n-butanol for use in conventional solvent borne systems. Synermix 5005 is also very useful in clear or brightly colored conventional alkyds or Oil/Alkyd modified polyurethanes which have a tendency to discolor.

Key Benefits

Synermix 5005 is a specialty drier that will minimize discoloration of clears (e.g. oil modified polyurethanes) after drying, increase resistance to yellowing of air-dry alkyd finishes exposed to prolonged heat or alkaline fumes, and prevent loss of dry properties during shelf life minimizing the need for a “feeder drier”. In addition, it does not contain any heavy metals.

Applications

- Industrial coatings
- Architectural coatings



Physical Properties

| Property | Value |
|---------------------|--------------|
| Appearance\Color | Liquid\Amber |
| Weight per gallon | 6.9 lbs. |
| Nonvolatile Content | 10% |
| Flash Point | 75 °C |
| Solvent | Xylene:nBuOH |

Level of Usage

While Synermix 5005 can be used as the sole drier, optimum results are achieved in combination with calcium and zirconium. Suggested starting point levels based on % by weight of vehicle solids is:

- 0.50 – 0.70 % DAPRO® 5005 (as supplied)
- 0.10 – 0.30 % Zr (as metal)
- 0.05 – 0.10 % Ca (as metal)

Packaging

Synermix 5005 is supplied in steel drums (390 Lbs / 177Kg) and pails (35 Lbs/15.9 Kg).

Shelf Life

Synermix 5005 dryer should be stored out of direct sunlight at temperatures between 40° F/5° C and 130° F/50° C.

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

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