

MCR Drier

TECHNICAL DATA SHEET

MCR DRIER is a cobalt free chelating catalyst. Based on a Manganese drier complex, it is highly recommended for oxidative drying urethane alkyd lacquers with light hue requirements. MCR DRIER is specially designed to replace cobalt drier in products where cobalt develops undesirable dark brown hue, caused by cobalt-urethane complexes.

► These advantages are achieved when replacing Co drier systems by MCR Drier

- *Improved alkali resistance of the polyurethane film*
- *Less yellowing of films exposed to heat and aggressive environments*
- *Resistance to loss of dry on aging*
- *Minimization of aging effects of applied films associated with cobalt*
- *Safety: Avoids the use of cobalt which may be considered healthy and environmentally unsafe*

RECOMMENDED APPLICATION

MCR DRIER can be used alone, as single drier on urethane modified alkyd systems, but to achieve maximum efficiency, we recommend using it together with calcium and zirconium driers. Manganese complex together with Zirconium and Calcium driers in optimum metal relation is available as multidrier REY DRIER.

TYPICAL PROPERTIES

Appearance	Clear brown liquid
Viscosity	Less than A (Gardner)
Solubility	soluble in xylene, butanol, isopropyl alcohol, mineral spirits
Composition	Manganese based drier complex
Smell	Aromatic

DOSAGE

0.4 to 0.8 %	MCR DRIER
0.1 to 0.4 %	Zirconium as metal
0.05 to 0.1 %	Calcium as metal

(Recommended % based on resin solids. Good results are obtained normally when employing above mentioned %, however particular systems may require special study to obtain optimum results)

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