

MANALOX[®] 310 (XP 148)

THICKENING AGENT FOR RESIN SYSTEMS

DESCRIPTION

MANALOX 310 is a proprietary aluminum **chelate** complex designed as a gelling agent for lithographic printing ink vehicles. It is provided as a convenient solution in high boiling ink oil solvent.

PHYSICAL PROPERTIES

Appearance	Light Yellow Mobile Liquid
Specific Gravity	0.981
Aluminum Content	5.1 ± 0.1%
Flash Point (PMCC)	> 142°F

USE INFORMATION

MANALOX 310 is a very strong gellant in lithographic vehicle systems. Although very high viscosity can be achieved at a low aluminum content, the rate of reactivity is slow enough to allow addition to many varnishes undiluted at high temperatures.

MANALOX 310 is very stable under high temperature cooking conditions, and would be the gellant of choice for varnishes cooked for several hours above 320°F. Optimum temperature appears to be about 350°F, where the peak viscosity can be achieved in about 30 to 40 minutes.