



## **FYNOL - 70**

FYNOL-70 is a pigment grinding aid recommended for solvent and latex paint systems. Its outstanding wetting action ensures rapid and uniform dispersibility of a wide range of pigments, clays and other paint additives. FYNOL-70 also permits increased solids loading, lowers viscosity and decreases sedimentation rates.

### **ADVANTAGES :**

FYNOL-70 is an oil soluble, nonionic surfactant, which effectively wets out dry pigments. Its use in paint manufacturing ensures a faster and more uniform dispersion of pigment in the vehicle. In addition, its unique character confers the following advantages to the paint or enamel. :

- \* Allows higher pigment concentration.
- \* Increases gloss in enamels.
- \* Retards hard settling during can storage.
- \* Minimises sagging and running.
- \* Reduces silking and flooding.
- \* Impart better brushability.

### **TYPICAL PROPERTIES :**

Appearance	: Amber Liquid
Activity, %	: 97
Density, lb/gal	: 8.3
g/ml	1.00
pH, 2% Solution	: 9.5
Solubility, 5% Solutions	:
Mineral Spirits	: Clearly Soluble
Aromatic Hydrocarbons	: Clearly Soluble



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Petroleum Oil : Clearly Soluble  
Linseed Oil : Clearly Soluble  
Ketones : Sl. Hazy Solution  
Water, Hot : Hazy Solution

**APPLICATIONS :**

FYNOL-70 is recommended for pigment grinding in both roller and pebble mills. In average use, 0.25 to 0,5% on the weight of the pigment is sufficient for rapid dispersibility. Certain of the more difficult-to-wet pigment may require higher percentages. In these cases the exact amount is best determined by small-scale experimentation.

FYNOL-70 reduces grinding time by as much as 50% in both roller and pebble mills. It improves glossmeter readings on gloss enamels, but has little or no effect on flattening agents used in semi gloss or flat finishes.

FYNOL-70 has been found effective for use in universal tint pastes when employed in combination with water dispersible pastes lecithin. A suggested starting formulation is as follows :

50 parts	Pigment
45 parts	Ethylene Glycol
3 parts	Water Dispersible Lecithin
2 parts	FYNOL-70

The combination of FYNOL-70 and water dispersible lecithin cuts viscosity and increases pigment loading. In addition, it helps wetting and dispersing.

FYNOL-70 is also extremely effective as a wetting agent for iron oxide pigments in vinyl solutions used in manufacturing magnetic inks and magnetic tapes.

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