



**4510-BC-75 WATER SOLUBLE ALKYD RESIN**

**4510-BC-75 WATER SOLUBLE ALKYD RESIN** which may be used in air dry, force dry or baking coatings. As supplied, the resin will require neutralization with an amine and some additional co-solvent before the addition of water. Sufficient co-solvent should be used to maintain an 80:20 ratio of water to co-solvent. For baking coating, 10-20% of a melamine resin can be used for cross-linking. Co-solvent, driers and/or melamines and neutralizer should be added to the resin and mixed completely before the addition of water.

**TYPICAL PROPERTIES:**

Non-volatile by weight	75 ± 1.0%
Non-volatile by volume	69.9 ± 1.0%
Weight per gallon @ 25°C	8.7 ± 0.10 pounds
Viscosity @ 25°C	Z <sub>2</sub> -Z <sub>4</sub>
Color, Gardner	8 maximum
Flash Point (Seta)	140°F
Solvents	2-Butoxyethanol

**SOLID RESIN PROPERTIES:**

IPA	Present
Oil Type	Oxidizing
Oil Length	Short
Acid Value	41-48
Hydroxyl Number	66
Hydroxyl Equivalent Weight	851

**DRIER RECOMMENDATION (% METAL BASED ON RESIN SOLIDS):**

- 0.07 – 0.15% Cobalt
- 0.15 – 0.30% Zirconium

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While the information contained herein is deemed accurate, it is intended as a guide only and property values and ranges listed above should be regarded as typical values and should not be construed either as a product specification or as a guaranteed analysis for any specific lot of the product. All guarantees/warranties and other terms existing are exclusively contained in the Company's invoices and are effective only upon purchase of products.

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