



4510-S-75 WATER SOLUBLE ALKYD RESIN

4510-S-75 WATER SOLUBLE ALKYD RESIN 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 ± 1.0%
Weight per gallon @ 25°C	8.45 ± 0.10 pounds
Viscosity @ 25°C	Z ₃ -Z ₄
Color, Gardner	8 Maximum
Solvent	2-Butanol (secondary butyl alcohol)
Flash Point (Seta)	90°F

SOLID RESIN PROPERTIES:

IPA	Present
Oil Type	Oxidizing
Oil Length	Short
Acid Value	42 – 47

DRIER RECOMMENDATION (% METAL BASED ON RESIN SOLIDS):

0.07 – 0.15% Cobalt
0.15 – 0.30% Zirconium

2/3/98

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.
