75250 Primal™ WS 24

Primal™ WS-24 acrylic dispersion resin is supplied in water and can be solubilized readily to combine the advantages of outstanding flow and pigment dispersion characteristic of solution polymers with some of the toughness of emulsion polymers. Both clear and pigmented films can be formed at room temperature or by force drying.

Suggested uses for Primal™ WS-24 resin include dip coatings for brass, alkali-removable temporary coatings, and other general industrial finishes.

The viscosity of formulations using Primal™ WS-24 resin can be increased by using either of two techniques or a combination of both. The addition of basic materials such as ammonium hydroxide, triethylamine or other volatile amine will thicken the system.
Water-miscible alcohols such as t-butanol, isopropanol or ethanol can also be added to increase the viscosity. These materials should be added slowly with agitation to avoid localized high concentrations. The use of basic materials and alcohols will also improve the pigment wetting and the flow of formulations based on Primal™ WS-24 resin.

For best stability in formulating with the resin, the pH should be kept moderately alkaline.

The following are typical properties of Primal™ WS-24 resin. They should not be interpreted as specifications.

Typical Physical Properties

Appearance	Translucent, milky, white fluid
Solids content	33 – 35 %
pH	7 – 8
Brookfield viscosity LVF (2 spindle 30 rpm)	max. 600 mPa.s
Glass transition temperature (Tg)	46°C
Minimum Film Formation Temperature	0°C
Freeze Thaw stability	Keep from freezing
Specific gravity	1.04

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