

TECHNICAL DATA SHEET

P-550



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PRODUCT DESCRIPTION	ONA P-550 is an APEO free , 100% acrylic self-crosslinking emulsion polymer, for use in architectural paints for indoor and outdoor applications.	
USES	Designed for use in low VOC flat to semigloss architectural paints for indoor and outdoor applications.	
FEATURES	<ul style="list-style-type: none"> • Self crosslinking • APEO Free • Low coalescent demand • Multi-substrate compatibility with adhesion to alkyd 	
TYPICAL PROPERTIES⁽¹⁾	Solids (by weight):	50% - 52%
	Viscosity (RVT):	300 - 400 cps (#3 at 100rpm)
	Density (lb/gal):	8.7 - 8.8
	pH:	8 - 9
PRODUCT APPLICATION AREAS	<p>P-550 is a premium latex designed to provide superior performance in architectural coatings with good stain removal and superior scrub resistance. Emulsion P-550 has great gloss potential allowing broad formulation latitude from flat to semigloss interior and exterior Architectural Coatings. Paint gloss higher than 80 can be achieved.</p> <p>P-550 has great compatibility with slurries and colorants. The binder is film forming and has very low coalescent demand, which allows formulating paints in compliance with the 50g/L VOC regulations. Yet the polymer film is hard to reduce dirt pick up and has excellent block resistance and water resistance when fully coalesced. The chemistry of P-550 provides multisubstrate compatibility (Alkyd, Wood, Aluminum, Masonry, galvanized steel, vinyl)⁽²⁾.</p>	
ADDITIONAL DATA	Polymer type:	100% Acrylic
	MFFT:	< 1°C
	Tg (on set):	-5°C
	Tg (mid point):	7°C
	Particle size:	0.11 microns
	Shelf Life:	12 months
PACK SIZES	2400lbs tote	
	45,000lbs tanker	(weights may vary)

STORAGE CONDITIONS

P-550 containers should be well sealed to prevent evaporation of water and the formation of skin or flakes on the surface. The emulsion should be protected from freezing.

Store containers between 5 - 25 °C for not more than 12 months. Higher temperatures will affect quality and may cause the formation of skins, drop on pH and change of viscosity especially if the containers are not tightly closed or subjected to direct sunlight for long periods.

LIMITATIONS

P-550 is recommended to be used as the sole binder in the formulations, blending with other latexes can jeopardize the development of film properties and must be evaluated for performance.

HEALTH AND SAFETY

Please refer to Safety Data Sheet (SDS) for environmental and safe handling information.

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