

S600

Ultra-Odorless Penetrating Wall Primer Emulsion

Product Description

S600 Penetrating Wall Primer Emulsion is an acrylic-styrene copolymer emulsion designed for odorless wall primers, floor binders, ground reinforcements, and smooth, odorless interior wall latex paints. It offers exceptionally high chemical and mechanical stability, superior penetrability, and excellent blending compatibility with cement and salts. It features excellent film-forming properties without requiring any coalescing agents. It is non-tacky on rollers during paper coating operations and is engineered for developing premium tier wall primers with leading user experiences.

Product Features

- **Zero Coalescing Agent Film Formation:** Provides high hardness and genuine odorless properties. It self-films seamlessly without needing any VOC-type film-forming additives, ensuring an aldehyde-free and clean environment.
- **High Chemical & Mechanical Stability:** Formulated as a non-ionic acrylic emulsion with fine particle sizing. It delivers broad blending compatibility and exceptional high-shear dispersion stability, remaining securely stable even under high-speed cement agitation.
- **High Penetratability:** Non-ionic latex particles eliminate electrostatic repulsion barriers during infiltration. It delays demulsification and film formation to lengthen open times for deep penetration. Formula designers no longer need to rely on solvent-containing PDF or cellulosic thickeners to drive substrate penetration, maximizing recipe options.
- **Broad Formulation Flexibility:** Its non-ionic nature grants wide compatibility parameters for raw material selections to create innovative product profiles.
- **Solvent Resistance & Airtightness:** Delivers high tolerance toward both polar and non-

polar solvents. It blocks solvent tracking into walls to reduce rapid evaporation while successfully sealing off organic solvent vapors from outgassing.

Physical & Technical Properties*

Properties	Value	Unit	Test Method / Source
Appearance	Semi-transparent, milky white liquid	—	Visual
Solid Content	34 ± 1	wt%	GB/T 20623-2006
pH	3.0 - 4.0 (Extended range: 3.0 - 5.0)	—	GB/T 20623-2006
Viscosity	< 300 (Extended range: 200 - 1000)	CPS	Brookfield DV-S, 4#, 30rpm, 25°C
Glass Transition Temperature (TG)	20	°C	—
Minimum Film Forming Temp. (MFFT)	< 5	°C	—
Ionic Character	Non-ionic	—	—

*Note: *The properties listed above represent typical results only and should not be construed as product specifications. Please refer to the specific Certificate of Analysis (COA) for official specifications.
Additional formulation reference: S600 AMP-95 DED.*

Storage

Please store this product in a cool, dry place away from direct sunlight. The storage temperature should be maintained between 5°C and 35°C, keeping the original packaging completely intact.

The shelf life of this product is six months from the date of manufacture. If the product exceeds its shelf life, a performance evaluation is highly recommended before use. Once the

packaging is opened, it is recommended to filter the emulsion properly before application and consume it as quickly as possible.

Disclaimer

Shandong Sanjia Polymer Material Co., Ltd. strongly recommends that customers handle and use this product safely and rationally in accordance with the detailed information provided in the Material Safety Data Sheet (MSDS). While we believe the recommendations and data contained herein are true and reliable, the contents of this Technical Data Sheet are provided for reference purposes only. We offer no warranties, whether express or implied, regarding product characteristics, applications, quality, safety, product specifications, merchantability, or fitness for a particular purpose.

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