Thai Mitsui Specialty Chemicals

Acrylic Emulsion

Technical Data Sheet

ALMATEX SE310

Product Introduction

ALMATEX SE310 is an acrylic emultion for interior and exterior decorative paint binder. It is formulated to give a high binding power. This resin gives the high thickening response and reduce tendency to generate foam.

ALMATEX SE310 dose not contain Alkyl Phenol Ethoxylate (APE/APEO). Further, It does not contain formaldehyde and the raw materials used will not decompose to yield formaldehyde by-product

Features

- Non APE/APEO
- Non formaldehyde
- High pigment compatibility
- Excellent alkali resistance
- Excellent water resistance
- Excellent scrub resistance
- Good dirt pick up resistance

Product Specification

Appearance	Milky White liquid
Non volatile (%,150^{o}Cx30min)	45 $\pm$ 1
Viscosity (30^{o}C/#4,60 rpm LVT type)	500 - 3500 centipoise
pH (30^{o}C)	7.5 - 9.5
Shelf life	Indoor, 6 months after production

Other Properties

Tg (DSC,^{o}C)	~30
MFFT (^{o}C)	25

Application properties

Water	Diluent	20.17
SHMP	Co- Dispersant	0.12
Oratan QR-963	Dispersant	0.42
Triton CF-10	Wetting agent	0.23
Foamaster A-12	Defoamer	0.23
Propylene glycol	Humectant	2.25
Pretiox RG-15 (TiO2)	White pigment	16.24
S-400	Clay extender	5.42
Calofil-100	Extender	5.42
HEC QP-15000	Thickener	0.23
27% Ammonia	pH adjustment	0.11
Acticide RS Conc	In can preservative	0.06
Parmatol DF-19 Forte	Film preservative	0.22
RM 2020	Thickener	0.16
AL-SE 310	Binding agent	47.27
Texanol	Film forming aid	1.49

Item	Result (at 7 days)
Chemical stability (CaCl2)	Excellent (no gel)
Mechanical stability (2,200 rmp x 40 min.)	Excellent (no gel)

Condition : dry at room temperature 7 days

Item	Result
Water resistance x 96 Hrs.	good
Scrub resistance at 15,000 cycle	good
Dirt pick up resistance	Excellent

June 07, 2018 Rev 00

The Information in this instruction sheet, given in good faith, is based on results gained from experience and tests. However, all recommendation or suggestion are made without guarantee, since the conditions of use are beyond our control. Specification are subject to change without notice.