

Epi-Tex® 611-Q

EPOXY ESTER EMULSION

DESCRIPTION

Epi-Tex® 611-Q Epoxy Ester Emulsion is used to modify polyvinyl acetate emulsions and thermoplastic latex resins. Providing films with increased water and wear resistance, it makes an excellent modifier of emulsion type coatings used on floors, structural masonry, roofs, patios, driveways, etc. Outstanding performance has been obtained over concrete, wood and asphalt.

Epi-Tex® 611-Q, when used in a base coat on exterior masonry surfaces which contain excessive water soluble salts, greatly inhibits efflorescence effects observed with the application of emulsion paints. It also reduces stain development due to tramp iron or iron salts in the substrate on the film surface. Incorporating Epi-Tex® 611-Q in the base coat over old chalky paint films on masonry substrates assists in tying down the loose chalk and improves intercoat adhesion of conventional emulsion topcoats. Various latex resins, when modified with Epi-Tex® 611-Q, exhibit less thermoplasticity due to the oxidative cure of the epoxy ester emulsion.

APPLICATIONS

Modifier for emulsion-based type coatings used on: floors, patios, roofs, structural masonry, driveways

FORMULATION

Epi-Tex® 611-Q is suggested for use at levels from 10 to 30% based on total vehicle solids. Since the Epi-Tex® emulsion dries by oxidation, the addition of metallic driers is necessary. Manganese and cobalt, at levels of 0.1% based on epoxy ester solids, are suggested. Use of water-dispersible driers is recommended, but not mandatory. Thoroughly pre-mix the driers with Epi-Tex® 611-Q, whether water-dispersible or not, prior to addition to the batch. In order to achieve best batch-to-batch reproducibility, add a non-ionic surfactant, such as Igepal CO-630 (GAF), to the emulsion/drier pre-blend. A level of 1 quart surfactant per 100 gallons (total paint) is satisfactory.

Epi-Tex® 611-Q cannot be safely added at the time of pigment dispersion. It is best incorporated into the finished product as the last ingredient of the formulation, using moderate agitation. The finished paint can be tinted with most generally available water dispersed and universal tinting colors.

Epi-Tex® 611-Q provides better brush clean-up than is normally encountered with other modifying resins.

For a typical 5-gal. pre-mix of Epi-Tex® 611-Q: Add water dispersible driers; Make sure driers are dissolved (spatula test for beads); Then add 1 quart Surfonic n(.5 (Texaco) or Tergitol Np9 (Union Carbide) or anionic equivalent.

TYPICAL PROPERTIES

Viscosity (cps)	4,500-10,000
Color	Milky White
Acid Value	Less than 15
Solids (+/- 2)	46-54
Solvent	75.5% Water, 16.9% Aromatic Naptha, 5.6% Xylene

PRECAUTIONS

Some materials in this product may cause skin and eye irritation and/or sensitization or other allergic responses upon repeated contact. Therefore this product must be handled with extreme care and in strict adherence to good industrial hygiene practices. Before using it or any other product referred to in this bulletin, consult the applicable Material Safety Data Sheets for appropriate handling procedures and protective equipment.

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