

An ISO 9001 & 14001 Certified Company

Technical Data Sheet

INDOFIL ASE 60 **Acrylic Emulsion Thickener**

Indofil ASE 60 is alkali swell able acrylic copolymer emulsion.

Indofil ASE 60 forms viscous solution at low concentrations upon neutralization with a base. When the emulsion is diluted with water & neutralized with a base, each emulsion particle swells greatly. The emulsion clarifies under these conditions & becomes highly viscous.

Physical Parameters:

- Appearance : Milky White Emulsion
- Solid Content (150 ° C/ 20 min) : 27.5-28.5 %
- pH (As Such) : 2.0-4.0
- Viscosity of 1% neutralized sol
(Brookfield LVF # .3/12 @ 25 °C) : 2000-5000 cps
- Specific Gravity : 1.0-1.2 gm/cc
- Film test (of 5% neutralized solution using 250 micron film) : Clear

Advantages:

- Superior performance than conventional thickeners like CMC, HEC
- Gives superior storage stability to paint
- Solutions for use are prepared rapidly since neutralization of ASE 60 occurs instantaneously with variety of standard bases
- Gives higher viscosity at low concentration



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Recommended Uses:

- Thickener for water based paints & coatings
- High viscosity of ASE 60 solutions even at low concentrations suggests its use to suspend pigments & fillers in water based paints, inks or other coatings of the abrasive particles in water
- For viscosity adjustment at emulsion & latex compound

Note:

Freezing or addition in the emulsion of soluble irons, copper or other multivalent cations may cause precipitation of polymer solids, If the emulsion is accidentally frozen & settling of the polymer is evident, the product may be recovered in useful form by diluting it with water & adding alkali to form the salt solution.

Recommended Dosage:

0.2 – 1.0 % **Indofil ASE 60** calculated on the total quantity of paint system, will provide excellent results. The exact dosage will also depend upon the individual paint formulation.



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Storage:

Indofil ASE 60 should be stored in tightly closed containers under shade. It should not be exposed to direct sunlight.

Shelf Life:

12 months from the date of Manufacturing.

Disclaimer:

The suggestion and data in this bulletin are based on information we believe to be reliable. It is offered in good faith, but **WITHOUT GUARANTEE**, as the conditions and methods of the use of our products are beyond our control. We **ALWAYS** recommend that the prospective user should determine the suitability of our products and suggestions on an experimental basis first, Before **ADAPTING** on a commercial scale.

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