

*An ISO 9001 & 14001 Certified Company*

## ***Technical Data Sheet***

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### **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) : 2600-3200 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.**

*Prepared on 25 th June 2013 ( Indofil/SPCD/Coating/June 2013/Rev. 0)*

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