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## **ACRYLIC EMULSION (ORIENT IF)**

### **INTRODUCTION**

ORIENT IF is a fine particle size, acrylic copolymer emulsion.

### **APPLICATION**

ORIENT IF has been developed specifically as a binder for coatings where high binding power, adhesion and film toughness is required.

### **TECHNICAL INFORMATION**

TYPE	:	Acrylic copolymer
Total Solids	:	45% $\pm$ 2%
PH Value	:	7.5 – 9.0
Viscosity	:	40-60 poise at (Rion Viscotester VT – 04)
Particle Size	:	0.09 – 0.12 microns
Specific gravity	:	Approx. 1.04 at 25 °C
Storage life	:	Maximum 6 month under sealed cover Drum from date of delivery.
M.F.F.T	:	Approx. 20 °C

Note : The above data represent the the results of our quality assessment. They do not free the purchaser from his own quality check nor do they confirm that the product has certain properties or is suitable for a specific application



## **FORMULATION GUIDELINES**

### **PIGMENT**

ORIENT IF can be formulated to withstand high pigments and extender loads. It associates with clay so much so that one can use less amount of clay to achieve similar performance characteristics.

### **FILM COALESCING AIDS**

Coalescing aid is required for optimum film formulation under air- dry applications. The amount will depend on the formulation and drying conditions. Texanol at 5-10% by weight on total dry resin is recommended for adequate filming.

### **THICKENERS**

ORIENT IF is designed to give low thickener demand. Although may be used to increase the viscosity of coating based on DM- 808P, it is important to note that the amount of thickeners required are lower than when the same thickener is used in conventional acrylic binders.

### **HIGH PVC PAINTS**

ORIENT IF can be formulated to give good wet scrub at high pigment and extender loads using the attached starting formulation.