

## **ECORYL TH -283 AC**

**Ecoryl TH- 283 AC** is an acid containing, cross-linked acrylic emulsion copolymer, used as Rheology Modifier in paints. When the emulsion is diluted with water and neutralised with a base, each emulsion particle swells greatly. The emulsion clarifies under these conditions and becomes highly viscous.

### **Typical properties**

<b>Appearance</b>	: Milky white emulsion
<b>Ionic nature</b>	: Anionic
<b>Dry content (%)</b>	: 28 ± 2
<b>Specific gravity</b>	: 1.03
<b>pH</b>	: 3.5±0.5
<b>Electrolyte stability</b>	: Very good
<b>Solvent tolerance</b>	: Very good
<b>Thickening with ammonia</b>	: Thickening
<b>Residual monomer</b>	: Nil
<b>Storage stability</b>	: At least 180 days.

### **Salient features**

**Ecoryl TH- 283 AC** is an acid containing, cross-linked acrylic emulsion copolymer, used as Rheology Modifier in paints.

**Ecoryl TH- 283 AC** is effective in improving low shear rate (Brookfield) viscosity, in the product that has high shear thinning characteristics.

**Ecoryl TH- 283 AC** is non-cellulosic, it offers a high degree of resistance to bacterial and enzymatic attack, resulting in long term viscosity stability.

**Ecoryl TH- 283 AC** thickens as pH increases and develops full viscosity at about pH 8 - 8.5. Effective at low usage levels, it builds viscosity rapidly

**Ecoryl TH- 283 AC** is recommended for use in textured paints, or as a secondary thickener to control sagging in paints having too much flow.

**Ecoryl TH- 283 AC** develops a pseudoplastic rheology which prevent layering upon storage of the paint. It is suggested to dilute the product with water in a ratio of 1:2 before addition.

**Ecoryl TH- 283 AC** paints formulated with ECO TH-110 as a sole thickener exhibit a high yield value or gel structure. This structure develops upon removal of shear; hence it is suited to the development of moderately textured paints



(2)

(without warranty)

For more details please contact:

*Dhupar Chemicals Pvt. Ltd.*

7/82, Tilak Nagar, Kanpur-208002 (India)

Tel: +91-512-2526558,2542795,2557874

E-mail: [dhupar@dhuparchemicals.co.in](mailto:dhupar@dhuparchemicals.co.in)

Web Site: [www.dhuparchemicals.co.in](http://www.dhuparchemicals.co.in)