

Dispersing And Anti-settling Agent DATUAPR

(Similar to BYK ATU)

First, Summary

It is used as dispersing and grinding additive, anti-settling agent, and anti-floating additive for paints, ink and other systems.

Second, Component

DATUAPR is 50% aromatic solution of polycarboxylic acid neutralized by amine derivatives.

Third, Typical physical and chemical properties

Appearance: brown transparent liquid

Activity portion: 50%

Density: 0.950-1.100/cm³

Acid value: 40-120mgKOH/g

Forth, Application

DATUAPR is a common additive in solvent-borne paints, which is especially effective in systems based on the following resins: alkyd resins, alkyd/amino resins, acrylic resins and epoxy resins, chlorinated rubber and so on. Some linear polymers with hydroxyl groups (such as DESMOPHEN resin from BAYER Co., Ltd.) could be thixotropic when used together with DATUAPR.

DATUAPR is an effective dispersant, it could obviously prevent settling in the coating film and reduce rusting tendency, especially when applying anticorrosion paint on substrates like iron and steel. It could lower orange peel formation possibility and improve the fluidity in oil-based coating or even in the presence of the tung oil.

Fifth, For preformed gel of organobentonite

DATUAPR is an excellent gel additive for organo-modified bentonite, it has some advantages as below:

1. Can reach pumping's gel consistency
2. Easy to introduce
3. Improve the stability of the gel
4. Preformed gel can be added later
5. Easy to disperse
6. Have positive effect on anti-settling and anti-floating

Suggested formula of preformed gel:

80-87% solvent (200# solvent gasoline, xylene, toluene)

8-10% organically modified bentonite

3-10% DATUAPR

Sixth, Packaging and storage

1. 50kg enhanced plastic bucket or according to customer's requirements.
2. Store sealed under normal temperature indoor for one year.
3. Color change will not affect the quality.