

TECHNICAL DATA SHEET

BILTREAT AS 117 (Anti settling Agent)

Product Description:

- Biltreat AS 117 is a very efficient and eco-friendly anionic APEO free anti-settling agent.
- An anti-settling agent is a suspension or rheological additive whose function is to prevent or retard pigment settling, and to maintain uniform consistency of the coating during storage and application.
- Anti-settling agent are widely use in the coating industries. They can be categorized as organic clay, conventional polyamide, polyethylene vinyl acetate, fumes silica and calcium sulphonate derivatives.

Advantages:

- Biltreat AS 117 is a very thixotropic liquid and powder.
- It has many advantages against other anti-settling agent and anti-sag properties.
- It can be use in all type of solvents based coating.

Physical Properties:

Appearance	:	Liquid
Color	:	Light Yellow to Pale Yellow
Chemical Composition	:	Surface-active nonionic & anionic compound
Odor	:	Characteristic
pH, (@ 2 % In distil water)	:	7 to 8
Solid Content, (@ 105+/-2 0C)	:	38 to 40
Specific Gravity, (@ 30+/-1 0C, by Hydro Meter)	:	1.09 to 1.13
Viscosity, (@ 30+/-1 0C, by Ford Cup)	:	13 to 16 Second
Soluble in Water	:	Soluble
Pour Point, (@ 0C)	:	Below 5
Grade	:	Industrial Grade.

Advantages:

- Performs reliably even in the presence of heavy pigments.
- Can be incorporated at any production stage of the paint, e.g., before and after the grind stage.
- Does not impair gloss, flow, drying properties or adhesion-provided it is applied at the correct dosage level.
- Flow control and better adhesion and also give corrosion resistance properties.
- Stable in pH range of 2 to 12 & stable in hard water.
- Practically compatible with all types of alkyd resins.
- Addition of Biltreat AS 117 forms a strong water-alkyd bond resulting in longer stability.
- Is surface-active thus allowing improved pigment wetting.
- Is insensitive to temperature and can thus be used readily in ball mills, triple- roll mills and high-speed dispersing units and is liquid and easily applicable.
- It imparts high viscosity to the system and thereby reduces settling.
- No rusting and water separation on storage as well as on thinning down.
- Pigment binder ratio remains unchanged, no adverse effect on final performance of the coating and no reduction of gloss and hardness.

Application:

- Biltreat AS 117 is particularly recommended for heavy pigments such as red lead, barites, iron oxides, etc. as these pigments quickly form a hard deposit which often cannot be brought back into suspension.
- Because of its high surface activity, Biltreat AS 117 keeps these pigments in suspension. If slight sedimentation takes place, sediments can be stirred back into suspension without any difficulty

Recommended Dosage:

- The quantity required depends on the nature of the pigments and on the types of binders used. It is well known that lightweight pigments require less anti-settling agent than heavy pigments.
- In the same way, less Biltreat AS 117 is required if binders are used. Binders significantly hinder the sedimentation of pigments due to the size of their molecules. The right quantity could be determined by experiments.

Handling & Storage:

- Before using this product please consult/refer our Material Safety Data Sheet (MSDS) for information on safe handling and storage.

Packing Size:

- Available in 50 kg Carboy, 220 kg barrel packing & 1 MT Plastic IBC's

Shelf Life:

- 1 year from the date of manufacturer. After this product should be test prior to use.

Disclaimer:

The suggestion & data in this publication is currently believed to be accurate. We do not guarantee its accuracy as the conditions & methods of the use of our products are beyond our control. Purchasers should always make their own determination of its suitability and completeness for a particular use, for the protection of the environment & for the health and safety of employees.