

# PAT-ADD AF 21

## Product Data Sheet

Rev 01

April 2018



### Product Features

PAT-ADD AF 21 is a APEO and VOC free defoamer for waterborne paints, inks and pigment dispersions.

PAT-ADD AF 21 is a mineral oil based defoamer modified with polysiloxane for extremely strong activity.

PAT-ADD AF 21 is highly versatile and efficient in various waterborne systems for defoaming and anti-foam during manufacturing and application.

#### **Main benefits are:**

- Highly effective defoamer requiring low dosages
- Efficient for knocking down existing foam
- Strong activity combating foams generated by organic surfactants
- Good shelf stability
- Universal for aqueous paints and colorants

### Physical Characteristics:

<b>Appearance</b>	: White to Yellow Dispersion
<b>Viscosity @ 25°C</b>	: 1000 - 4000 cPs
<b>Specific gravity @ 25°C</b>	: 0.880 – 0.910
<b>Polarity</b>	: electroneutral
<b>Active matter content</b>	: 100%

“Physical parameters indicated here in product data sheet are typical properties and not specification limits or range.”

### Properties:

PAT-ADD AF 21 is water-dispersible and requires high shear for proper incorporation.

PAT-ADD AF 21 is suitable for high PVC emulsion paints and pigment dispersions.

### Dosage & Addition

The optimal amount of PAT-ADD AF 21 is system related, generally between 0.1 and 0.5% on the total weight of the foaming formulation.

This product needs proper incorporation conditions; we recommended adding a portion of the required dosage to pigment dispersion and the remaining half after dispersion directly to the mill-base or let-down with sufficient shear. Improper incorporation may result in poor defoaming and alter gloss or film appearance.

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The optimum concentration to be used depends on the individual formulation and conditions.

### End Use Application

Architectural coatings, Wood Coatings, Pigment Dispersions, and waterborne Industrial Coatings.

### Shelf life

The product has shelf life of 24 months from the date of manufacturing; packed in unopened original containers as shipped by Patcham when stored in frost free warehouse.

### Storage and transportation

Stir it well before use, separation may occur upon storage and transportation. The product may solidify below +10 °C (33.8 °F). Warm up to 25 ° - 35°C (68 °-86°F) and stir it well before use.

### Safety and Handling

For information on handling, storage and safety please refer to the information from the Material Safety Data Sheet (SDS).

### Packing size

Drum: - 170.0 kgs, Can: - 20.0 kgs, IBCs: - 750.0 kgs.

#### *Disclaimer:*

*While every effort is made to provide accurate and complete test results for The PATCHAM ADDITIVES, various data may vary depending upon different raw materials, test procedures and test conditions. The accuracy, reliability, or totality of the results are not guaranteed or warranted in any way. PATCHAM FZC and its representatives disclaim liability of any kind whatsoever, including liability for quality, performance and fitness for a particular purpose arising out of the use, or inability to use the test results.*