

(Preliminary Data Sheet)

Product Features

PAT-ADD AF 310 is clear liquid defoamer for use in waterborne coatings like varnishes, wood-coatings, industrial paints, aqueous inks and pigment dispersions.

PAT-ADD AF 310 is oil- and VOC-free and based on a Polysiloxane hydrophobic polymer compound.

PAT-ADD AF 310 is multi-compatible, so efficient in various waterborne systems notably varnishes and low pigmented industrial systems. It is effective for defoaming and de-aeration and reduces risk of micro-foaming.

Main benefits are:

- Reduces risk of micro-foaming
- Enables incorporation at modest shear
- Oil-free
- Requires only low dosages; does not contribute to VOC
- Clear liquid, showing excellent shelf stability

Physical Characteristics:

Appearance	: Slightly hazy liquid
Viscosity @ 25°C	: 500 - 1500 cP
Specific gravity @ 25°C	: 0.960 – 1.020
Polarity	: Nonionic
Active matter content	: 96-100%

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

Properties:

PAT-ADD AF 310 is dispersible in aqueous systems and can be incorporated (depending on dispersion power characteristics of the applied system) by applying mild to high shear dispersion forces.

Dosage & Addition

The optimal amount of PAT-ADD AF 310 to be used is system related, but generally is between 0,05 and 0,5 % PAT-ADD AF 310, calculated on the total weight of formulation. Proper incorporation by mild to high shear mixing is preferred, in order to ensure proper distribution and minimize risk of film defects.

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The optimum concentration to be used depends on the individual requirements and conditions and is best determined experimentally.

End Use Application

Pigment concentrates, semi-gloss and gloss Architectural paints, Spray and roll-coat applied coatings, Printing Inks 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

Separation may occur upon storage and transportation. 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: - 200.0 kgs, Can: - 25.0 kgs, IBCs: - 950.0 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.