



PATCHAM (FZC)

PAT-ADD AF 34

PRODUCT DATA SHEET

Rev No. 0

Date :-10/10/2013

PAT-ADD AF 34 is liquid defoamer for use in waterborne coatings like varnishes, wood-coatings, industrial paints, aqueous inks and pigment dispersions.

PAT-ADD AF 34 is oil and VOC-free and based on a polysiloxane hydrophobic polymer compound.

PAT-ADD AF 34 is versatile in application, so efficient in various waterborne systems such as dispersion paints, industrial systems, inks and adhesives. It is effective for defoaming and anti-foaming purposes during manufacturing and application and reduces risk of micro-foaming.

PHYSICAL CHARACTERISTICS:

Appearance	:	Slightly hazy colourless to Pale yellow liquid
Viscosity @ 25°C, approx.	:	1200 cP
Specific gravity @ 25°C, approx	:	0.990
Polarity	:	Nonionic
Active matter content	:	99-100%

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

PROPERTIES:

PAT-ADD AF 34 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.

PAT-ADD AF 34 is most suitable for use in dispersion paints and industrial paint systems; furthermore for flexo inks as well as for use in pigment dispersions.

Main benefits are:

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

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



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DOSAGE AND ADDITION:

The optimal amount of PAT-ADD AF 34 to be used is system related, but generally is between 0,08 and 0,8 % PAT-ADD AF 34, 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.

For pigment dispersions, dosages up to 1 % may be required. It is recommended to add part of the required dosage prior to pigment grinding and the remaining part to the mill-base before the let-down step of paint manufacturing.

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

While every effort is made to provide accurate and complete information, performance of the product may vary depending upon different raw materials, formulations, test procedures and test conditions. Hence Patcham (FZC) and its representative disclaim any kind of liability.

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