



PATCHAM (FZC)

PAT-ADD AF 29

PRODUCT DATA SHEET

Rev No. 0

Date :-23/02/2014

PAT-ADD AF 29 is an oil-free defoamer for use in waterborne architectural paints, pigment dispersions and various industrial paints.

PAT-ADD AF 29 is a VOC-free organic polymeric compound, containing low silicone content.

PAT-ADD AF 29 is versatile in application and is effective for defoaming and anti-foaming purposes during manufacturing and application. Pat-Add AF 29 is the first choice for replacement of traditionally used oily defoamers in applications such as dispersion paints.

PHYSICAL CHARACTERISTICS:

Appearance	:	Slightly hazy colourless to Pale yellow liquid
Viscosity @ 25°C, approx.	:	550 -1200 cP
Specific gravity @ 25°C, approx	:	1.00
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 29 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 29 is most suitable for use in dispersion paints, high PVC to low PVC qualities.

Main benefits are:

- Free of mineral or synthetic oil
- Meeting regulations for oil-free materials
- Direct replacement for oil-based defoamers
- 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 29 to be used is system related, but generally is between 0.1 and 0.8 % PAT-ADD AF 29, as calculated on the total weight of paint formulation. The optimal dosage is best found by a ladderized study. Typically lower or max.same levels are being used in exchanging oily defoamers.

Proper incorporation by mild to high shear mixing is preferred, in order to ensure required distribution and minimize risk of film defects. Preferred is addition of half the amount, prior to pigment milling and 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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