



PATCHAM (FZC)

# PAT-ADD AF 43

## PRODUCT DATA SHEET

PAT-ADD AF 43 is an oil and silicone free defoamer for use in waterborne coatings, including varnishes and wood-coatings, as well as aqueous inks and pigment dispersions.

PAT-ADD AF 43 is VOC-free and based on synthetic organic surface active compounds.

PAT-ADD AF 43 is very versatile in application field. The product is specifically suggested for applications such as low PVC systems, where it shows improved film properties versus oily and silicone defoamers.

### **PHYSICAL CHARACTERISTICS:**

Appearance	: White to yellow coloured dispersion
Viscosity @ 25°C, approx.	: 3000 cPs.
Specific gravity @ 25°C, approx	: 1.010
Polarity	: Non-ionic
Active matter content	: 99 - 100%

### **PROPERTIES:**

PAT-ADD AF 43 is dispersible in aqueous systems and can be incorporated by applying mild dispersion forces.

PAT-ADD AF 43 is most suitable for use in dispersion paints, for alkaline or acid systems, aqueous air-drying paints and plasters; furthermore for flexo inks as well as for use in pigment dispersions.

### **MAIN BENEFITS ARE:**

- Oil and siloxane free, for best film properties
- Excellent de-airing and defoaming properties
- Excellent alkali and acid resistance
- Contributes to substrate wetting
- NO-VOC
- Shear resistant, so may be used under high shear conditions

### **DOSAGE AND ADDITION:**

The optimal amount of PAT-ADD AF 43 to be used is system related, but generally is between 0.2 and 1% PAT-ADD AF 43, calculated on the total weight of formulation.

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.

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