

### Product Features

PAT-ADD FL 7 is a liquid flow agent solvent-borne systems, notably industrial coatings; this product is silicone and fluoro-free.

The use of PAT-ADD FL 7 contributes to smooth films, improved appearance; free of imperfections like pinholes, orange peel or craters.

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

- Highly effective flow and leveling agent
- Reduced risk of orange peel, craters, pin-holes, and film waviness
- Enables the formation of smooth film surface with high distinctness of image (DOI)
- High transparency in lacquers and clears

### Physical Characteristics:

<b>Appearance</b>	: Clear colorless to Yellow Liquid
<b>Viscosity @ 25°C/77°F</b>	: < 200 cPs
<b>Specific gravity @ 25°C/77°F</b>	: 0.960 – 0.990
<b>Composition</b>	: Solution of Polyacrylate
<b>Solubility</b>	: Soluble in Butyl acetate, 1-methoxy-2-propyl acetate, Xylene. Insoluble in White spirit
<b>Solvents</b>	: Butyl acetate
<b>%Solids content (120°C/1hr)</b>	: 50.0 ± 3.0%

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

### Properties:

PAT-ADD FL 7 is a very efficient film surface tension modifier.

The mechanism is by migration of PAT-ADD FL 7 to the applied film surface. This migration produces the following benefits:

- a) Improved flow at the upper surface of the applied film by viscosity modification (contributing to optimal rheological behavior)
- b) Equalizing variations of surface tensions across the paint film surface, reducing the risk of film defects and imperfections.

PAT-ADD FL 7 demonstrates high efficiency, minimizing risk of orange peel, craters, pinholes, Bénard cells and poor substrate coverage.

# PAT-ADD FL 7

## Product Data Sheet

Rev 01

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PAT-ADD FL 7 is suitable for pigmented as well as clear films and can be used alone or in conjunction with strong surface tension reducing leveling agents, such as Pat-Add LE 1010 or LE 1020 where additional surface tension reduction is required.

### Dosage & Addition

The product is best added during the let-down stage of paint manufacturing process.

PAT-ADD FL 7 is typically used at a dosage between 0.4 to 2.0% on the total weight of paint: It is highly recommended to evaluate performance and compatibility empirically, applying close-to-practice test conditions.

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

### End Use Application

PAT-ADD FL 7 is effective in a wide range of paint formulations, incl. 2K, Stoving enamels, Can coating, air-dry industrial paints based on EP, Acrylics, TPA, NC, PE etc.

### 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, transportation, 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.

#### *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.*