

Product Features

PAT-ADD LE 1075 is leveling additive and multipurpose interfacial tension modifier for printing inks and paint formulations.

PAT-ADD LE 1075 is silicone and fluorine free and highly suitable for eliminating coating surface defects.

Main benefits are:

- Improved substrate wetting
- Optimized wetting and adhesion
- Easy incorporation, add and mix
- Low surface tension in water (0,5%): approx. 33 mNm
- Free of silicones: no adverse effect on intercoat adhesion

Physical Characteristics:

Appearance	: Clear Pale Yellow Liquid
Viscosity @ 25°C/77°F	: 50 - 200 cP
Specific gravity @ 25°C/77°F	: 1.050 – 1.090
Composition	: Anionic
Solvents	: Water
%Solids content (120°C/1hr)	: 65.0 ± 2.0%

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

Properties:

PAT-ADD LE 1075 acts as an efficient interfacial surface tension reducing additive with excellent compatibility in inks and paints. Although promoted as a multipurpose surface tension reducer, primary application is pigment and substrate wetting.

PAT-ADD LE 1075 lowers the risk of cratering, fish-eyes and crawling, promoting uniform wetting and good knitting of coatings applied onto contaminated surfaces or low surface energy substrates.

PAT-ADD LE 1075 is for waterborne as well as polar solvent systems.

PAT-ADD LE 1075

Product Data Sheet

Rev 01

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Dosage & Addition

The optimal amount of PAT-ADD LE 1075 is system specific, generally between 0.1 and 0.5% PAT-ADD LE 1075, on the total weight of ink or paint formulation.

The product can be added at any stage of manufacturing; however, for best effect on leveling, addition in the let-down stage is preferred. The optimum concentration depends on the individual formulation and conditions.

End Use Application

Main application is in waterborne paints and inks, applied onto low surface energy substrates, such as plastics or coatings. The absence of silicone or fluorine compounds eliminates recoat issues in highly sensitive systems.

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

The product may solidify below +1 °C (33.8 °F). Heat to 20 °C (68 °F) and stir.

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: - 220.0 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.