

# PAT-ADD LE 1019

## Product Data Sheet

Rev 01

April 2018



### Product Features

PAT-ADD LE 1019 is a highly concentrated, solvent-free surface modifier, with wide compatibility. The additive provides excellent slip, mar resistance, improved flow, and levelling in solve and solvent-free systems.

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

- Broad range compatibility
- Highly effective slip, leveling, and mar resistance additive
- Provides optimal flow and leveling
- Soluble in water, methanol, iso-propanol, and xylene. Limited solubility in mineral spirits

### Physical Characteristics:

<b>Appearance</b>	: Clear Colorless Liquid
<b>Viscosity @ 25°C/77°F</b>	: 50 - 200 cP
<b>Specific gravity @ 25°C/77°F</b>	: 1.010 - 1.040
<b>Composition</b>	: Polyether modified polysiloxane
<b>Solvents</b>	: Solvent Free
<b>Purity</b>	: 97 – 100 %

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

### Properties:

PAT-ADD LE 1019 provides excellent surface smoothness, slip and mar resistance, and improved scratch resistance. PAT-ADD LE 1019 is a highly efficient surface tension modifier, effective low dosages. The product demonstrates excellent efficiency, preventing craters, pinholes and improves substrate coverage onto critical substrates such as improperly cleaned substrates and low surface energy substrates.

PAT-ADD LE 1019 is suitable for pigmented as well as clear coatings.

### Dosage & Addition

The optimal amount of PAT-ADD LE 1019 is system and application related; in order to maintain proper, recoat, excessive levels should be avoided. PAT-ADD LE 1019 can be added to the formulation during any stage of paint/ ink production.

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The following dosages, calculated on the total weight of the formulation are recommended:

-slip, mar: 0.02 to 0.2%

-leveling: typically, 0.05 to 0.2%.

-printing inks and overprint varnishes: 0.05 to 0.8%. We highly recommended the determination of performance and compatibility be made empirically using test conditions that replicate actual field conditions.

The optimum concentration depends on the individual formulation and conditions.

### End Use Application

PAT-ADD LE 1019 is mainly used in solvent borne and solvent free industrial coatings, stoving enamels, and printing inks.

### 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

Should be stored in a cool dry place.

### 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.*