



PATCHAM (FZC)

# PAT-ADD LE 1019

## PRODUCT DATA SHEET

PAT-ADD LE 1019 is a highly concentrated, solvent-free surface modifier, showing a very wide compatibility range. The additive provides excellent slip and mar resistance properties and contributes to improved flow and levelling in solvent-based and solvent-free systems.

PAT-ADD LE 1019 is mainly used in organic solvent based industrial coatings, including stoving enamels; furthermore in solvent-free paints as well as in printing inks.

### **PHYSICAL CHARACTERISTICS:**

Appearance	: colourless clear liquid
Viscosity @ 25°C, approx	: 150 cP
Specific gravity @ 25°C, approx	: 1.030
Composition	: Polysiloxane compound
Solvent	: solvent-free
Solid Content	: 97 - 100%

### **PROPERTIES:**

PAT-ADD LE 1019 provides excellent surface smoothness, slip and mar resistance, improving scratch resistance. Moreover, PAT-ADD LE 1019 is a very efficient surface tension modifier, effective at very low concentrations. The product demonstrates excellent efficiency, avoiding formation of craters, pinholes and poor substrate coverage of coatings applied onto critical substrates such as improperly cleaned substrates and low surface tension substrates.

PAT-ADD LE 1019 is suitable for use in pigmented as well as clear coating systems.

### **Main benefits are:**

- Broad range of compatibility
- Most effective slip, mar resistance agent levelling agent
- Contributes to optimal flow- and levelling
- Soluble in water, methanol, iso-propanol, xylene. Restricted solubility at dosages >0,1% in mineral spirits
- Effective in NC, PUR, Acid Cured wood finishes, automotive refinishes, industrial paints and inks, including UV curing systems and overprint varnishes

### **DOSAGE AND ADDITION:**

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

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



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

-slip, mar: 0,02 to 0,2%

-levelling: typically 0,05 to 0,2%.

-printing inks and overprint varnishes: 0,05 to 0,8%. It is strongly recommended to evaluate performance and compatibility empirically, applying close-to-practice test conditions.

The optimum concentration to be used depends on the individual requirements and conditions.

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