



PATCHAM (FZC)

PAT-ADD LE 1030

PRODUCT DATA SHEET

PAT-ADD LE 1030 is a levelling agent for use in waterborne and polar solvent-borne coatings.

PAT-ADD LE 1030 is mainly used in industrial coatings.

PAT-ADD LE 1030 enhances flow and levelling, substrate wetting and air release.

PHYSICAL CHARACTERISTICS:

Appearance	:	Clear colourless liquid
Viscosity @ 25°C, approx	:	100 cPs
Specific gravity @ 25°C, approx	:	0.915
Composition	:	Polysiloxane in solvent
Solvent	:	Ethylene glycol n-butyl ether

PROPERTIES:

PAT-ADD LE 1030 is a very efficient surface tension modifier, effective at very low concentrations. The product demonstrates excellent substrate wetting, thus avoiding the formation of craters, pinholes and poor substrate coverage of coatings applied onto critical substrates such as improperly cleaned substrates and low surface tension substrates.

Moreover, PAT-ADD LE 1030 provides excellent surface smoothness, contributes to slip and mar resistance and counteracts pigment floating or foam formation.

PAT-ADD LE 1030 is suitable for use in pigmented as well as clear coating systems.

MAIN BENEFITS ARE:

- First choice for PUR systems
- Excellent substrate wetting and air release
- Most effective levelling agent for water based and polar solvent systems
- Wide range of compatibility
- Strong surface tension reduction
- Reduces risk of pigment floatation
- Effective in PUR, acrylic and polyester melamine resin based industrial paints

DOSAGE AND ADDITION:

The optimal amount of PAT-ADD LE 1030 to be used is system and application related; in order to maintain proper recoatability properties, excessive levels should be avoided. PAT-ADD LE 1030 may be added to the formulation during any stage of paint production.

The recommended dosage is between 0.05 to 0.4%, calculated on the total weight of the formulation.

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.

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