

PAT-ADD LE 1433

Product Data Sheet

Rev 01

April 2018



Product Features

PAT-ADD LE 1433 is a flow and leveling additive for waterborne and polar solvent clears as well as pigmented formulations.

PAT-ADD LE 1433 contributes to appealing film performances, even in coatings applied to low surface energy substrates; optimizing substrate wetting, deaeration, and crater resistance.

Main benefits are:

- Contributes to optimal film appearance and DOI
- Highly effective surface tension control
- Reduces risk for cratering, pin-holing, orange peel
- Provides optimal flow and leveling on low surface energy substrates
- Promotes air release while retaining recoat properties

Physical Characteristics:

Appearance	: Clear Pale Yellow Liquid
Viscosity @ 25°C/77°F	: 50 cP (max.)
Specific gravity @ 25°C/77°F	: 1.000 – 1.030
Composition	: fluorocarbon modified polyester
Solvents	: Dipropylene Glycol Monomethyl Ether
%Solids content (120°C/1hr)	: 55.0 ± 2.0 %

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

Properties:

PAT-ADD LE 1433 is a highly efficient surface tension modifier for waterborne and polar-solvent systems. The product demonstrates excellent substrate wetting, to prevent craters, pinholes and poor substrate coverage of coatings applied onto critical substrates such as improperly cleaned substrates and low surface energy substrates.

PAT-ADD LE 1433 is suitable for clears and pigmented systems; additionally, exhibiting excellent performances in inks and overprint varnishes applied onto low surface energy substrates.

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Dosage & Addition

The optimal amount of PAT-ADD LE 1433 used is system and application related. PAT-ADD LE 1433 is preferably added in the let-down stage of paint production.

The recommended dosage is between 0.05 to 0.8%, calculated on the total weight of the formulation. It is highly recommended that evaluation of performance and compatibility be conducted empirically, applying close-to-practice test conditions.

The optimum concentration depends on the individual formulation and conditions.

End Use Application

PAT-ADD LE 1433 is recommended for wood and industrial coatings, incl. 2-pack PUR, EP, OEM, refinishes; paints and varnishes, inks and similar application requiring surface tension reduction.

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: - 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.