

PAT-ADD LE 1010

Product Data Sheet

Rev 01

April 2018



Product Features

PAT-ADD LE 1010 is a leveling and slip additive for solvent-borne coatings

PAT-ADD LE 1010 is versatile in application and effective in various solvent-borne systems for optimizing flow, levelling, slip, and mar resistance

Main benefits are:

- Highly effective leveling agent
- Increases slip and mar resistance
- Wide compatibility
- Limited foam stabilization
- Excellent compatibility; high transparency lacquers
- Reduces coefficient of friction (COF)

Physical Characteristics:

Appearance	: Clear Colorless Liquid
Viscosity @ 25°C/77°F	: < 15 cP
Specific gravity @ 25°C/77°F	: 0.860 – 0.890
Composition	: Solution of Polyether modified polysiloxane
Solvents	: Xylene
Purity	: 10.0 %

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

Properties:

PAT-ADD LE 1010 is a highly efficient surface tension modifier, at very low use levels. The product demonstrates excellent substrate wetting, preventing craters, pinholes and poor substrate wetting of coatings applied onto critical substrates such as improperly cleaned substrates and low surface energy substrates.

PAT-ADD LE 1010 provides excellent film surface smoothness, slip and mar resistance; prevents pigment float and foam stabilization.

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Dosage & Addition

The optimal amount of PAT-ADD LE 1010 is system and application related; in order to retain proper recoat performance, excessive levels should be avoided. PAT-ADD LE 1010 can be added to the formulation during any stage of paint production.

The following dosage recommendations, calculated on total weight of paint formulation, are to ensure proper coating and film performance:

-leveling: typically, 0.05 to 0.3%. For wood-coatings levels up to 1% can be considered

-slip, mar: 0.05 to 0.2%

Mar resistance in UV-flexo ink: 0.2 to 1.0% on total weight of ink.

We highly recommended the evaluation of performance and compatibility be made empirically under conditions that replicate field conditions.

The optimum concentration depends on the individual formulation and conditions.

End Use Application

PAT-ADD LE 1010 is recommended as a leveling additive for solvent borne and solvent-free coatings; coil, industrial paints, overprint varnishes, and flexo 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, transportation, 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: - 180.0 kgs, Can: -20.0 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.