

PAT-ADD SL 1144

Product Data Sheet

Rev 00

April 2024



Product Features

PAT-ADD SL 1144 is PFAS free an excellent anti-blocking and slip agent for use in water borne industrial and architectural coatings.

Main benefits are:

- Highly effective anti-blocking agent in clear and pigmented coatings
- Excellent slip effect, reduction coefficient of friction (COF)
- Supports to anti-cratering, mar resistance and dry film appearance (gloss, DOI, RIQ)
- Designed polymeric structure for reaching optimal anti-block and slip
- No VOC.

Physical Characteristics:

Appearance	: Clear colorless liquid
Viscosity @ 25°C/77°F	: 100-750 cP
Specific gravity @ 25°C/77°F	: 0.970-1.020
Composition	: Polyether modified Polysiloxane compound
%Solids content (Approx.)	: 97-100.0 %

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

Properties:

PAT-ADD SL 1144 is a highly efficient polymeric surface tension modifier at low use levels. The product provides excellent surface smoothness, slip and mar resistance to coatings.

Traditionally used low molecular mass Polysiloxane are known as being critical in dosage, risking unwanted side effects at overdoses.

Explained by the unique design and high molecular mass of PAT-ADD SL 1144, risk for unwanted side effects is minimized.

PAT-ADD SL 1144 typically supports pigment homogeneity in the liquid formulation, thus reducing risk of pigment floatation, at low risk for foam stabilization.

PAT-ADD SL 1144 is suitable for pigmented coatings -as formulated at various gloss grades-, as well as in clears.

PAT-ADD SL 1144

Product Data Sheet

Rev 00

April 2024



PATCHAM

A step towards sustainable chemistry

Dosage & Addition

The optimal amount of PAT-ADD SL 1144 is system and application related. PAT-ADD SL 1144 is typically added at the let-down stage of paint production.

The recommended dosage is related to targeted effects and may be within a broad range starting from a dosage of 0.05 up to dosage as high as around 2%, calculated on total weight of the coating formulation. Lower dosages are intended for modification coating formulation features such as directly related to state of pigment dispersion or providing modest effect on substrate interaction.

The higher dosages obviously affect generic coating properties, such as providing exceptional mar resistance and slip features.

It is highly recommended to evaluate performance features -wanted versus unwanted effects in relation to dosed amount Pat-add SL 1144- and compatibility experimentally, using standard and appropriate close-to-practice test conditions.

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

End Use Application

PAT-ADD SL 1144 is recommended for use in WB systems, such as in high performance architectural and industrial coatings.

Shelf life

The product has a 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, Pail: -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.