

PAT-ADD RHEOL306

Product Data Sheet

Rev 00

January 2025



Product Features

PAT-ADD RHEOL306 is a highly efficient polymeric rheology modifier for reaching strong Newtonian flow characteristics at highest ICI viscosity values in dispersion paints. It represents the newest technology, within the group of AT (associative thickeners).

PAT-ADD RHEOL306 demonstrates excellent compatibility with mid shear associative thickeners and may be used in conjunction with products such as Pat-ADD RHEOL 100, -RHEOL 117 or -RHEOL 333 to specifically provide additional increase in high shear viscosity. additives to achieve viscosity adjustment of specific shear ranges.

PAT-ADD RHEOL306 is ready for use, VOC-free and easily workable. Paints formulated with PAT-ADD RHEOL306 excel in showing superior applicability, leveling and spatter resistance.,

Main benefits are:

- High shear viscosity builder
- For best application properties such as brush drag, roller applicability
- Reduced risk of roller spattering, syneresis
- Contributes to excellent flow and levelling, at uniform film thickness
- Liquid, ready-for-use: thus, optimal workability
- pH stability range: 2-12

Physical Characteristics:

Appearance	: Hazy colorless to pale yellow liquid
Viscosity @ 25°C/77°F	: 500 - 3000 cP
Specific gravity @ 25°C/77°F	: 1.000 – 1.050
Polarity	: Non-ionic
pH	: 5.0 – 8.0
%Solid Content (120°C/1hr)	: 20.0± 2.0 %

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

Properties:

PAT-ADD RHEOL306 ensures optimal rheological properties of dispersion paints and similar polymer dispersion-based systems. Hydration and association interactions of thickener polymer and binder reduce degree of mobility and result in formation of a dense network and stable viscosity build up. Consequently, a rheology profile is formed -close to Newtonian- with low degree of pseudoplastic flow, which contributes to optimal brush-drag, opacity and improved flow and levelling.

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Although the product is typically used in conjunction with KU viscosity builders, it may be used as well as sole thickeners, to boost brush drag and increase hiding properties.

Dosage & Addition

The optimal amount of PAT-ADD RHEOL306 to be used is system related but generally is between 1.0 and 3.0% PAT-ADD RHEOL306, calculated on the total weight of paint formulation.

The product is best added during the let-down stage; however, partial addition to the mill base may be considered. The optimum concentration to be used depends on the individual requirements and conditions and is recommended to be determined experimentally.

End Use Application

PAT-ADD RHEOL306 is used for rheology control of decorative, wood lacquers and industrial waterborne dispersion paints as well as dispersion systems like adhesives.

Shelf life

The product has a shelf life of 24 months from the date of manufacturing in unopened original container as supplied by Patcham.

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, IBC: - 1000 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.