

PAT-ADD RHEOL 125P

Product Data Sheet

Rev 01

April 2018



Product Features

PAT-ADD RHEOL 125P is HEUR based liquid rheology modifier for use in aqueous systems. The product contains low volatile organic components.

PAT-ADD RHEOL 125P demonstrates excellent anti-settling and anti-sagging properties and reduces the risk of roller spattering during paint application. PAT-ADD RHEOL 125P is provided as ready for use.

Main benefits are:

- Low VOC
- Contributes to excellent sag resistance
- Excellent shelf stability
- Liquid, ready-for-use: thus optimal workability
- Neutral and stable in modest alkaline and acidic systems
- Good flow, gloss and atomization for spray application
- Designed to be used in Architectural, industrial and protective waterborne coatings and waterborne Clear coats.

Physical Characteristics:

Appearance	: Milkish white to yellow liquid
Viscosity @ 25°C	: 1000 - 5000 cPs
Specific gravity @ 25°C	: 1.020 – 1.060
Polarity	: nonionic
pH (1% solution in water)	: 5.0 – 7.0
%Active matter content (120°C/1hr)	: 22 - 28%

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

Properties:

PAT-ADD RHEOL 125P ensures optimal rheological properties of dispersion paints. Association onto polymer binder surface as well as interaction between micelles, as formed by dissolved PAT-ADD RHEOL 125P molecules, supporting the formation of a network and viscosity increase.

Therefore, highest thickening efficiency is obtained in polymer dispersion paint systems.

Compared to other representatives of the line of associative thickeners (like Pat-Add RHEOL 100), this Pat-Add RHEOL 125P provides higher Stormier viscosity to the system, which contributes to improved anti-sag and anti-settling characteristics.

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The product is used as the sole thickener in low to high PVC paints. However, the product has shown excellent compatibility with both organic as well as inorganic rheology modifiers.

Dosage & Addition

The optimal amount of PAT-ADD RHEOL 125P to be used is system related, but generally is between 0.5 and 2.0% PAT-ADD RHEOL 125P, 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 RHEOL 125P provides excellent anti-settling and anti-sagging properties and reduces the risk of roller spattering during application. PAT-ADD RHEOL 125P is recommended for any emulsion paints for interior and exterior applications based on pure acrylic or copolymer binders.

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

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, 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.