

PAT-ADD RHEOL112

Product Data Sheet

Rev 01

March 2025



Product Features

PAT-ADD RHEOL 112 is a rheology modifier for use in aqueous systems. Being part of the Pat-Add RHEOL series of associative thickeners, it develops high low-shear viscosity with a strong shear thinning rheology.

PAT-ADD RHEOL 112 interacts with polymeric binder particles, which result in formation of a network, characterized by showing a high degree of pseudoplastic flow.

The product is used for rheology control of decorative and industrial dispersion paints. Main characteristic contributions are optimization of brush/ roller loading, anti-drip properties, providing excellent in-can structure and flow performance.

PAT-ADD RHEOL 112 is ready for use, VOC-free and easily workable.

May be used in conjunction with Pat-Add RHEOL 306 for high shear balance

Main benefits are:

- KU and low shear viscosity builder, for shear thinning rheology structure
- Provides excellent paint transfer brush/ roller to substrate application
- No-VOC
- Reduced risk of roller spattering during application
- Liquid, ready-for-use: thus, optimal workability
- Designed to be used in low up to high PVC systems

Physical Characteristics:

Appearance	: Opaque, white to yellow liquid
Viscosity @ 25°C	: 3000-20000 cP
Specific gravity @ 25°C	: 0.990-1.050
Polarity	: Non-ionic
pH (diluted 33% aqueous solution)	: 6.5
Active matter content	: 19.5%

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

Properties:

PAT-ADD RHEOL 112 ensures optimal rheological properties of dispersion paint systems. Association interactions onto polymer binder surface support the formation of a relatively weak

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network of associated ingredients. Consequently, a pseudoplastic profile is formed, enabling high layer thickness, while maintaining ease of application.

The product is used for low up to high PVC dispersion paints.

Dosage & Addition

The optimal amount of PAT-ADD RHEOL 112 to be used is system related but generally is between 0.4 and 3.0% PAT-ADD RHEOL 112, 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 112 is recommended for water-based emulsion paints for interior and exterior applications for flat and semi-gloss formulations. Also, can be used in high-build architectural 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, 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, IBCs: - 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.