

# PAT-ADD RHEOL 259

## Product Data Sheet

Rev 00

May 2023



### Product Features

PAT-ADD RHEOL259 is a liquid rheology modifier that is effective to increase the rheological effectiveness of pyrogenic fumed silica in solventborne coating systems.

PAT-ADD RHEOL259 contributes to the formation of a thixotropic structure and reduces the risk of separation. The product demonstrates excellent compatibility with a wide variety of systems.

#### **Main benefits are:**

- Easy workability, incorporation just by mixing.
- Does not require chemical activation.
- Reduces risk of sedimentation of fillers.
- Maintains a clear appearance.
- Suitable for main processing processes.

### Physical Characteristics:

<b>Appearance</b>	:	Clear amber liquid
<b>Viscosity @ 25°C/77°F</b>	:	<500 cP
<b>Specific gravity @ 25°C/77°F</b>	:	0.900 – 0.950
<b>Composition</b>	:	organic polymer compound in hydrocarbon solvent
<b>%Solids content (120°C/1hr)</b>	:	52.0 ± 2.00%

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

### Properties:

PAT-ADD RHEOL259 is suitable for easy dispersion of pyrogenic fumed silica. Due to better wetting and dispersion property of PAT-ADD RHEOL259 of pyrogenic fumed silica, it reduces or prevents the separation of pyrogenic fumed silica in the coating.

PAT-ADD RHEOL 259 increases or stabilizes thixotropic behavior. The improved rheological effect is particularly noticeable in clear coatings as the incorporation of the fumed silica does not usually occur at the same high shear forces as for pigmented systems.

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### Dosage& Addition

The optimal amount of PAT-ADD RHEOL259 to be used is system related, but generally is between 20-40 % as supplied, calculated on the total weight of pyrogenic fumed silica. Appropriate incorporation conditions must be provided; preferred is by mixing Pat-Add RHEOL259 prior to the incorporation of fumed silica.

Suitability and optimum concentration to be used depends on the individual requirements and conditions and is best checked experimentally.

### End Use Application

PAT-ADD RHEOL259 is recommended for solvent-borne coating systems based on polyester, acrylate, and alkyd binders that contain pyrogenic fumed silica

### 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, 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: - 190.0 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.*