



PATCHAM (FZC)

# PAT-ADD RHEOL 253

## PRODUCT DATA SHEET

Rev No. 0

Date :-18/02/2014

PAT-ADD RHEOL 253 is a liquid rheology modifier for use in UP systems, gelcoats.

PAT-ADD RHEOL 253 contributes to the formation of a thixotropical structure and reduces risk of separation. The product demonstrates excellent compatibility with a wide variety of systems.

### **PHYSICAL CHARACTERISTICS:**

Appearance	:	Clear amber liquid
Viscosity @ 25°C,	:	1500 cP
Specific gravity @ 25°C, approx	:	0.930
Composition	:	organic polymer compound in hydrocarbon solvent
Solid Content (120°C/1Hr.)	:	55.0 ± 2.00%

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

### **PROPERTIES:**

PAT-ADD RHEOL 253 is suitable for avoiding separation and formation of sediments in ambient temperature curing systems. The product may be used alone or in combination with inorganic modifiers such as fumed silica or organoclays

The product is applicable in polyester systems, epoxies and main .vinyl ester systems

### **Main benefits are:**

- Easy workability, incorporation just by mixing
- Does not require chemical activation
- Outperforming stability properties gel-coats
- Reduces risk of sedimentation of fillers
- Maintains clear appearance
- Requires only low dosages
- Suitable for main processing processes

*For information on handling, storage and safety please refer to the information from the Material Safety Data Sheet*

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### **DOSAGE AND ADDITION:**

The optimal amount of PAT-ADD RHEOL 253 to be used is system related, but generally is between 0.1 and 0.5 % PAT-ADD RHEOL 253, calculated on the total weight of formulation. Appropriate incorporation conditions have to be provided; preferred is dissolver mixing of Pat-Add RHEOL 253 with the unsaturated polyester resin, prior to the filler incorporation process. The product may also be post-added.

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

*While every effort is made to provide accurate and complete information, performance of the product may vary depending upon different raw materials, formulations, test procedures and test conditions. Hence Patcham (FZC) and its representative disclaim any kind of liability.*

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