RHEOBYK-7502

Organic rheology additive in powder form for increasing the stability of single component, silane-modified prepolymer systems, epoxy systems, and alkyd-based coating systems.

Only available in North America and Europe.

Product Data

Composition
Micronized, modified, rheologically effective amide

Typical Properties
The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Bulk density:	200 kg/m³
Particle size D_{90}:	< 20 µm
Particle size D_{50}:	< 14 µm
Color:	white

Storage and Transportation
Should be stored dry.

Applications

Adhesives & Sealants

Special Features and Benefits
RHEOBYK-7502 is an effective rheology additive in powder form for use in single component, silane-modified prepolymer systems and epoxy systems. The additive is heat activated and lends systems high sag resistance while demonstrating excellent application properties.

Recommended Levels
1.5-7 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions
For use in single component, silane-modified prepolymer adhesives and sealants, RHEOBYK-7502 is added to the binder, homogenized, and activated for 30 minutes by temperatures of 50-70 °C. Usually a dissolver with a planetary mixer is used for the incorporation. Other formulation components such as plasticizers and adhesion promoters, etc. are then incorporated afterward.

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Special Features and Benefits
RHEOBYK-7502 is compatible with a wide range of solvents and can be used in different coating systems, such as epoxy, polyurethane, and alkyd systems, with simple activation at a low temperature. Adding the additive results in a strong shear-thinning rheology profile, very high sag resistance, and very strong anti-settling properties. The anti-corrosive properties remain unaffected.

Recommended Use

Marine and Protective Coatings	■

■ especially recommended □ recommended

Recommended Levels
0.2-2 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions
RHEOBYK-7502 should be added at the start of the dispersion process before the pigments and fillers. It should preferably be pre-dispersed in a solvent/binder for approximately 5 minutes. For optimum incorporation into the coating system, the process temperature must be monitored.

Full effectivity is achieved at a grinding temperature of 50-70 °C. Within this activation temperature range and with incorporation at high shear, RHEOBYK-7502 produces a strong and immediate rheological effect.

Special Note
The rheological behavior and swelling properties of RHEOBYK-7502 depend on the temperature applied or solvents used.

Additive Guide

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