



RHEOCOAT™ 66 SN

Thickener and Water Retention Agent for Paper & Board Coating

RHEOCOAT™ is a family of Alkali Swellable Emulsions fitted for all types of coating colors and application devices. RHEOCOAT™ are robust and stable emulsions, easy to handle with low skinning and foaming tendency and a good resistance to shears.

The RHEOCOAT™ family is VOC free. Produced according to the highest standards of quality, security and environmental aspects in an ISO certified Coatex plant on four continents.

RHEOCOAT™ 66 SN is a synthetic rheology modifier allowing a better control of the coating process and helping to get improved paper and board qualities.

RHEOCOAT™ 66 SN is a pre-neutralized emulsion, ready to use and easy to mix into the coating colors.

RHEOCOAT™ 66 SN provides very good water retention with an optimal thickening effect.

• TYPICAL ANALYSIS

Nature: Acid, acrylic copolymer in aqueous dispersion

Appearance (20°C): White liquid

Solids content (%): 31

pH (20°C): 4.5

Specific gravity (20°C): 1.06

Compatibility: Complete in water at pH > 7

• ADVANTAGES

Easy coating color preparation

- RHEOCOAT™ 66 SN is a semi neutralized emulsion.
- RHEOCOAT™ 66 SN reduces the risk of **pH shocks and agglomerates formation** when mixed into the coating color.
- The time needed for thickening is reduced. RHEOCOAT™ 66 SN can fit to all types of coating kitchens with a **short swelling time**.
- The **addition of alkali** for pH control can be reduced.

Improved Coater runnability

- RHEOCOAT™ 66 SN provides an optimized balanced **rheology profile**, making it a highly versatile product.
- RHEOCOAT™ 66 SN provides excellent **water retention** properties to the coating colors.

Improved Coater runnability

- RHEOCOAT™ 66 SN provides coating colors an unusual **rheological profile**, allowing viscosity compromise from high to low shear rates.
- RHEOCOAT™ 66 SN provides coating colors excellent **water retention** properties during coating process.

Cost performance

- RHEOCOAT™ 66 SN is a very efficient low shear builder, providing high water retention without increasing high shear viscosity too much.
- Therefore RHEOCOAT™ 66 SN offers even at lower dosage optimized performance for improved paper and board quality

• APPLICATIONS

RHEOCOAT™ 66 SN improves solids content stability during blade coating (precoats and topcoats).

RHEOCOAT™ 66 SN will keep the blade or metering bar load in a good control range for profile and coat weight.

RHEOCOAT™ 66 SN is the most versatile rheology modifier of choice for a wide range of applications with an elevated demand for water retention. Its composition and structure is designed to adjust the viscosity at low and high shear rates. The comparatively high water retention helps to prevent weeping/bleeding or misting while improving solids content stability and coating holdout.

RHEOCOAT™ 66 SN is also the thickener of choice for board coating where the demand for water retention is high.

RHEOCOAT™ 66 SN shall be added slowly in the vortex with good agitation.

Usual addition rates: 0,05 - 0,5 part dry /100 parts dry pigment

• STORAGE

RHEOCOAT™ 66 SN can be irreversibly altered by frost. It should be protected from the effects of weathering and stored between 5 and 40°C and protected from direct sun exposure. Once opened, packaging should be resealed immediately after use.

In these conditions, products should be used within 6 months after delivery.

Film-forming product. Surface may dry in contact with air.

Bulk deliveries should be stored in plastic or stainless steel tanks.

Drums or containers should be closed after use to prevent from air drying and skin forming.

• STANDARD PACKAGING

- 1000 litres containers
- Bulk

• HEALTH & ENVIRONMENTAL DATA

- For safe handling please refer to the Safety Data Sheet.
- For more information about food contact applications, please contact Coatex.