



RHEOCARB™ 101

Steric Rheology Modifier for Paper Coating

RHEOCARB™ 101 is a rheology modifier with unique performances based on steric stabilization chemistry.

RHEOCARB™ 101:

- maintains the pigments and the latex particles in a good state of dispersion thus keeping their full gloss potential
- provides a good water retention even at low viscosity level
- is a strong OBA carrier

• TYPICAL ANALYSIS

Nature: Acrylic copolymer in aqueous solution

Appearance (20°C): Colorless to pale yellow liquid

Solids content (%): 25

pH (20°C): 6

Specific gravity (20°C): 1.04

Solubility: Complete in water

• ADVANTAGES

RHEOCARB™ 101 replacing the other thickeners is a means to run at high solids with a blade or a film press eliminating the risks of bleeding or misting.

RHEOCARB™ 101 is particularly recommended for glossy topcoat with up to 100 parts of fine calcium carbonates.

RHEOCARB™ 101 can help to reduce the coating colors costs (by using cost efficient pigments, binders and other additives).

RHEOCARB™ 101 contributes to the reduction of drying and calendering costs.

• APPLICATIONS

Recommended addition rates:

- Blade coating: 0.2 - 0.5 p. dry /100 p. dry pigment
- Film press coating: 0.1 - 0.4 p. dry /100 p. dry pigment

A pH adjustment is not needed after the introduction of **RHEOCARB™ 101**.

It can be easily dispersed in a coating color and does not require the addition of caustic soda.

Even if it is weakly ionic we advise to introduce it at the end of coating color preparation after the pigments and the binders.

• STORAGE

RHEOCARB™ 101 can be 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.

• 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.

Website: www.coatex.com

Disclaimer: Please consult Arkema's disclaimer regarding the use of our products on <http://www.arkema.com/en/products/product-safety/disclaimer/> (2018/11/20)