PAPER & BOARD

RHEOCARB™ 121

Steric Rheology Modifier for Paper Coating

RHEOCARB™ 121 is a rheology modifier with unique performances based on steric stabilization chemistry.

RHEOCARB™ 121:

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

• TYPICAL ANALYSIS

Nature: Acrylic copolymer in aqueous solution

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

Solids content (%): 24

pH (20°C): 6

Specific gravity (20°C): 1.04

Solubility: Complete in water

• 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

Slightly acidic **RHEOCARB™ 121** shall be introduced at the end of the coating color preparation after the pigments and the binders and prior to the pH adjustment with a diluted caustic soda.

• ADVANTAGES

RHEOCARB™ 121 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™ 121 is recommended for glossy and matte topcoat with up to 100 parts of fine calcium carbonates.

RHEOCARB™ 121 is recommended for medium to high solids content coating colors.

RHEOCARB™ 121 can help to reduce the coating colors costs (by using cost efficient pigments, binders and other additives).

RHEOCARB™ 121 contributes to the reduction of drying and calendering costs.

• STORAGE

RHEOCARB™ 121 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.

COATEX ARKEMA GROUP

• 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.