RHEOCOAT™

TECHNICAL DATA SHEET

RHEOCOAT™ 2121

Rheology modifier for curtain coating

TYPICAL CHARACTERISTICS

Nature	**Anionic polymer in emulsion**
Appearance	**Viscous liquid**
Solid Content (%)	**37.5**
pH	**7**
Brookfield viscosity (mPa.s)	**300**
Specific gravity	**1.05**

DESCRIPTION

Rheocoat™ 2121 is an anionic polymer allowing a better control of the curtain coating rheology.

RECOMMENDED ADDITION LEVEL

0.05 to 0.5 as received

STANDARD PACKAGING

Other packaging may be available upon request

- 1000L IBC

HANDLING & STORAGE

Emulsion must be stored inside a building at a constant temperature between 5°C and 30°C. During thestorafe and handling, the emulsion must not be contaminated by water. Emulsions must be stirred before use as it can separate.

Effect of cycles of warm and cold temperatures
The observations are called raincycle. A container of emulsion initially at a temperature of 20°C in a warehouse, is placed, for several hours outside where the temperature is 5°C. The water vapor contained in the free volume above the product condenses and drops of water formed on the roof of the container fall down on the surface of the emulsion, creating local coagulations. Gel formed looks like white stringy lumps floating on the surface or suspended to the cover of the drum or container.

In these conditions, this product should be used within 3 months from delivery.

PROCESSING INSTRUCTIONS

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.

MARKETS

Pulp & Paper
- Board Coating
  - Board Coating

KEY BENEFITS

• Precoat	No
• Topcoat	Yes
• Contribution to brookfield viscosity	●●●●●
• Contribution to high shear viscosity	●●●●●
• Water retention	●●●○○

HEALTH AND ENVIRONMENTAL DATA

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

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