

# Sterocoll® HT

Thickener for coating colors applied to paper and paperboard

## Chemical Nature

Aqueous, anionic dispersion of a carboxylic acid copolymer. Does not contain plasticizers or solvents.

## Properties

### Typical Properties

|   |       |        |
|---|-------|--------|
| Solids content  | %     | ca. 40 |
| pH  |       | ca. 3  |
| Apparent viscosity at 23 °C<br>(Brookfield RVT, Spindle #1, at 100 rpm) | mPa s | ca. 50 |

### Other properties of the dispersion

|   |                   |                    |
|---|-------------------|--------------------|
| Density   | g/cm <sup>3</sup> | 1.05               |
| Appearance                                      |                   | milky white liquid |
| Solubility                                      |                   | soluble in alkalis |
| Alkali required<br>(For a solution with pH 7.5) | %                 | ca. 15             |
| Freeze/thaw stability                           |                   | no                 |

## Compatible with

Sterocoll HT is compatible with the other substances conventionally used in coating colors, provided it is used properly. It may be advisable to perform tests in special cases.

## Applications

### Features

Sterocoll HT is a synthetic thickener with high thickening efficiency. It is added to coating colors to modify their viscosity, water retention and rheology. Its composition is such that it can be used for paper and paperboard for food packaging. Sterocoll HT is mechanically and shear stable.

### Processing

Sterocoll HT should be stirred into coating colors as the final step in the preparation process when the coating color is alkaline. Sterocoll HT normally is added at concentrations of between 0.2 and 2.0% (expressed as a proportion of the total pigment).

## Safety

### General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

### Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Sterocoll HT.

## Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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