

# Sterocoll® BL

<b>Product description</b>	Thickener for coating colors applied to paper and board
<b>Chemical nature</b>	Anionic, water-in-oil emulsion of an acrylamide- acrylic acid copolymer. Soluble in water.

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## Properties

<b>Physical form</b>	Cloudy, white emulsion
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<b>Technical data</b> (not supply specification)	Solid content	~ 34.5 %
	Viscosity	~ 750 mPa.s
	Density	~ 1.04 g/cm <sup>3</sup>

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## Application

Sterocoll® BL is used as a thickener in coating colors applied to paper and board. It does not need to be “activated” by high pH and it unfolds its thickening effect simply by adding water. Therefore, it is easily stirred in and can be added to the formulation in the final step of the preparation process. It takes ~ 10 minutes until the full thickening effect is developed.

A special feature of Sterocoll® BL is that a substantial increase in the coat weight of roll coating application can be obtained by adding as little as 0.1 % (as supplied, expressed as a proportion of the pigment).

Sterocoll® BL can also be diluted if needed, but it forms a very viscous solution when not enough water is used. It needs at least twenty times its own weight of water to obtain an easily flowable solution.

**Formulation guideline** 0.1 - 1 % (as supplied, expressed as a proportion of the pigment).

We recommend carrying out own trials when developing products that contain Sterocoll® BL. Its compatibility with other ingredients, its stability during coating and its effect on the ability of coatings to adhere to different substrates, etc., are affected by a variety of factors.

All pipes and containers can easily be flushed out with an excess of water if they become blocked or encrusted.

We recommend stirring the product thoroughly before use if it has been left to stand for any substantial length of time, because it has a slight tendency to settle and to phase-separate.

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## Storage

Keep container tightly closed and store in a cool, dry place. Protect from temperatures below 5 °C and above 30 °C. If stored at low temperatures, freezing can irreversibly damage the product.

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### Validity

This Technical Data Sheet is valid for all versions of the Sterocoll® BL.

### Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

### Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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