

# Rheovis<sup>®</sup> AS 1180

**Product description** Rheology modifier

- Key benefits**
- Highly effective rheology-control additive for use in a wide range of aqueous formulations
  - Particularly suitable for adhesives
  - Does not require neutralization
  - Most effective in the alkaline pH range

**Chemical nature** Polyacrylate polymer in mineral oil and water

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## Properties

**Physical form** White liquid (emulsion)

<b>Technical data</b> (not supply specification)	Solid content	ISO 3251	~ 29 %
	Viscosity	ISO 3219 (250 1/s) at 23°C	~ 200 mPa.s
	pH value	DIN ISO 976	~ 8.3

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## Application

Rheovis<sup>®</sup> AS 1180 can be used in a wide range of water-based adhesives and latex. The product is especially suited for adhesive systems. Typical application examples include:

- DIY adhesives
- Conventional industrial adhesives, e.g., for the building industry
- Adhesives in the packaging and woodworking industries
- Pressure-sensitive adhesives
- High-speed machine adhesives

**Formulation guideline** 0.5 - 1.0 % on total formulation

The amount of Rheovis® AS 1180 required for optimum performance should be determined by trials covering a certain concentration range.

Direct incorporation into latex or polymer emulsions is possible, provided that efficient mixing equipment is available. Then Rheovis® AS 1180 can be poured directly into the latex/emulsion. If this is not possible due to machinery limitations, localized thickening can be prevented by predilution of the additive with the carrier solvent mixture (aliphatic hydrocarbon) at a ratio of 1:2.

Rheovis® AS 1180 can also be diluted with water to form a pre-gel/ stock solution if this method is preferred at ~ 3% in water

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**Storage**

Rheovis® AS 1180 is freeze-stable. However, it is recommended to store the product at temperatures above 5 °C to enable ease of handling and pourability. It is recommended to effectively stir the product before use.

Rheovis® AS 1180 might form a slight sedimentation or phase separation during storage. The properties of the product are not affected if the product is mixed thoroughly prior to use.

**Contacts worldwide**

Asia  
BASF East Asia Regional Headquarters Ltd  
45/F, Jardine House  
No. 1 Connaught Place  
Central Hong Kong  
China  
[formulation-additives-asia@basf.com](mailto:formulation-additives-asia@basf.com)

North America  
BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
[formulation-additives-nafta@basf.com](mailto:formulation-additives-nafta@basf.com)

Europe  
BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@basf.com)

South America  
BASF S.A.  
Rochaverá - Crystal Tower  
Av. das Nações Unidas, 14.171  
Morumbi - São Paulo-SP  
Brazil  
[formulation-additives-south-america@basf.com](mailto:formulation-additives-south-america@basf.com)

**Validity**

This Technical Data Sheet is valid for all versions of the Rheovis® AS 1180.

**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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