

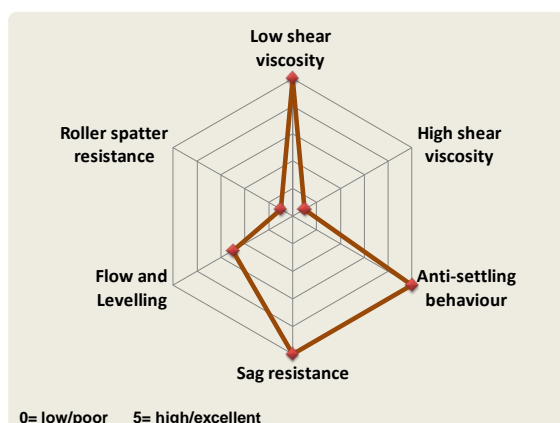
Associative Thickener

For industrial aqueous coating systems

GENERAL INFORMATION

RHEOLATE 299 is a 25% active polyether polyurethane associative thickener designed for waterborne industrial and decorative, pigmented and clear, gloss and high gloss coating systems.

RHEOLATE 299 is a highly efficient viscosity builder in the low- to mid-shear rate range. It provides strongly shear thinning flow behaviour which makes it ideal for spray applications including sprayed latex emulsions, dispersions, water reducible clear-coats and high gloss pigmented systems.



PHYSICAL PROPERTIES

Composition	polyether polyurethane dispersion in a mixture of water and diethylene glycol monobutyl ether
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Colour / Form	White liquid
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Density	1.04 g/cm ³
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Viscosity	below 5000 mPa·s, 10 rpm, Sp.3, Brookfield RVT
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Non-volatile	25% active by weight
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Volatile	75% (57% water/18% diethylene glycol monobutyl ether)
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APPLICATIONS

- pigmented and clear waterborne industrial coatings
- industrial wood coatings
- industrial metal coatings
- wood joinery
- aqueous sealants

KEY PROPERTIES

- highly efficient
- imparts strongly shear thinning flow behaviour
- excellent sag resistance and anti-settling behaviour
- good flow and levelling
- excellent optical properties of the final coating
- APE-free and tin-free
- pH independent

INCORPORATION

RHEOLATE 299 is a pourable liquid and can be incorporated at any point in the formulation of most systems. Liquid associative thickeners are usually post-added for convenience.

RHEOLATE 299 is a highly efficient thickener and it is recommended to add the product slowly to the formulation and to allow adequate mixing time.

Adjustment of the pH or dilution is typically not required for associative thickeners. In sensitive systems or under low shear mixing conditions, further dilution with glycol and water (1:1) might facilitate uniform incorporation.

LEVELS OF USE

The typical level of use of RHEOLATE 299 is between 0.1 and 1.5% (as delivered) by weight of the total formulation.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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HEALTH AND SAFETY DATA

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage. MSDS can be found on the Company website at www.elementis-specialties.com.

STORAGE RECOMMENDATIONS

RHEOLATE 299 should be kept above 4 °C (40 °F). In the event of accidental freezing, thaw gently, spread a portion between clean glass slides and examine for granules. If found, do not use.

SHELF LIFE

RHEOLATE 299 has a shelf life of 2 (two) years from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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