

Formulation Additives

Technical Data Sheet

Rheovis® HS 1178

(old Latekoll BA 978)



The Chemical Company

general

associative acrylic thickener suited for acrylic coatings.

Rheovis® HS 1178 is a HASE thickener (hydrophobically modified alkali-soluble emulsion) with high capacity of hydrophobic association with acrylic binders and others components of water-borne coatings.

in acrylic systems is usual to control the rheology, since low to high shear rates, with associative or non-associative thickener like CMC (carboxy-metyl-cellulose) or HEC (hydroxy-etyl-cellulose). For correct usage, one balance of associative thickener must be done by knowing the properties of the additives, moreover, the usage of non-associative thickener may result in sagging, low transference, orange peel, etc.

Rheovis® HS 1178 is a associative thickener that can be used alone, making the process of rheological control easier. Creating interaction by adsorption with the binder, Rheovis® HS 1178 fixes many application problems and promotes a pseudoplastic profile in low-shear and near to newtonian at high-shear.

Rheovis® HS 1178 promotes benefits such as:

low cost

excellent resistance against sagging

good leveling and transference

storage stability

protection against microbiological degradation

low and high viscosity control

Rheovis® HS 1178 was developed to simplify rheological control in high and low shear rates.

chemical nature

aqueous dispersion of acrylic copolymer, with carboxylic groups.

Properties

physical form

cloudy white liquid

storage

Rheovis® HS 1178 is sensitive at temperatures below 0 °C, therefore it must be stored in suitable warehouse, never under direct sunlight.

subject to appropriate storage and temperature conditions, Rheovis® AS 1178 is durable for at least 12 months.

**typical properties
(no supply specification)**

Viscosity Brookfield (23°C)	15 – 50 mPa.s
solids content	30,0 ± 1,0
pH	4,5 – 5,5

Application

for ensure good stability of the acrylic system thickened, it is recommended pH adjustment to 8,5 – 9,0.

Rheovis® HS 1178 can be added in the system, by a pre-gel:

water	75%
Rheovis® AS 1178	25%

also it can be added directly in the dispersion. In both cases the medium must be alkaline and the thickener may be added slowly, with constant agitation.

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

Nota

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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