

Formulation Additives

Technical Data Sheet

Rheovis® HS 1175

(old Latekoll BA 875)



The Chemical Company

general

associative acrylic thickener suited for acrylic coatings.

Rheovis® HS 1175 is a HASE thickener (hydrophobically modified alkali-soluble emulsion) with high capacity of hydrophobic association with acrylic binders and others ingredients of the water-borne system.

in acrylic systems, thickener such as CMC (carboxi-metyl-cellulose) or HEC (hydroxy-etylcellulose) are usually used. In those cases application problems like low transference of the coating, leveling defects, orange peel and others are usual. Creating interaction by adsorption with the binder, Rheovis® HS 1175 fixes those problems and promotes a pseudoplastic profile in low-shear and newtonian in high-shear.

Rheovis® HS 1175 promotes benefits such as:

low cost

great leveling and transference of the coating

storage stability

elevated high-shear viscosity

protection against microbiological degradation

chemical nature

aqueous dispersion of acrylic copolymer, with carboxylic groups

Properties

physical form

cloudy white liquid

storage

Rheovis® HS 1175 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 1175 is durable for at least 12 months.

**typical properties
(no supply specification)**

| | |
|--------------------------|------------------------|
| density (20 °C) | 1,05 g/cm ³ |
| solids content | 30,0 ± 1,0 |
| viscosity (23°C, 20 rpm) | 5 – 50 mPa.s |
| 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 1175 can be added in the system, by a pre-gel:

| | |
|------------------|-----|
| water | 75% |
| Rheovis® AS 1175 | 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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