

Rheovis® AS 1125 / AS 1130

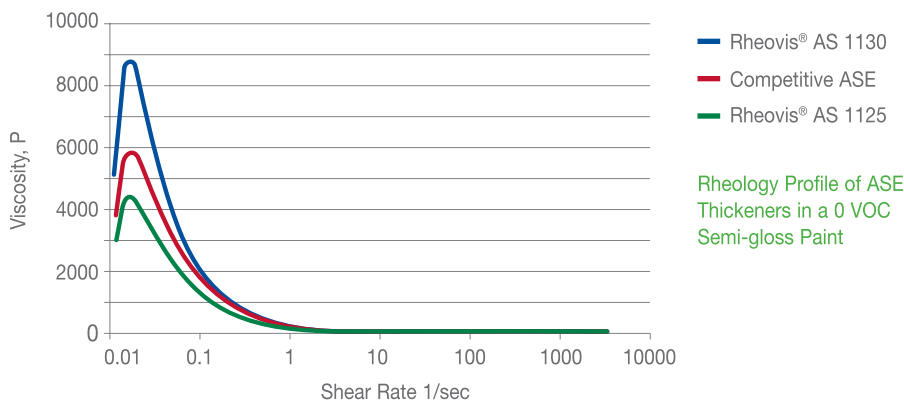


Acrylic rheology modifiers for low-shear viscosity control

Rheovis® AS 1125 and Rheovis® AS 1130 are alkali swellable emulsions (ASE) and, upon neutralization with a base, impart strong shear thinning characteristics in water based coating systems. This pseudoplastic nature gives paint formulators a cost effective way to improve the anti-settling and sag resistance without compromising leveling and film build.

Comparison in a zero VOC semi-gloss white architectural paint

The graph below shows the actual viscosity curves at different shear rates of paints formulated to ~ 98 KU with three different ASE rheology modifiers.



	Rheovis® AS 1125	Rheovis® AS 1130	Benchmark 1
Actives Dosage	3.45%	3.96%	3.78%
Low-shear viscosity (KU)	97.1	97.9	98.5
High-shear viscosity (ICI)	0.563	0.758	0.671

BASF's ASE rheology modifiers give the formulator the ability to tailor the coating viscosity profile to meet their specific needs. Rheovis® AS 1130 should be considered for maximum anti-settling and sag resistance. When flow and leveling or water sensitivity are concerns, Rheovis® AS 1125 is an excellent choice.

Rheovis® AS 1125 / AS 1130: Characteristic Values

Property	Rheovis® AS 1125	Rheovis® AS 1130
Solids content	~ 25%	~ 30%
pH value	~ 2.8	~ 3.5
Brookfield viscosity	< 20 mPa·s	< 40 mPa·s
Density	1.05 g/cm³	1.05 g/cm³

Performance Highlights

- Strong shear thinning effect
- Improves anti-settling and sag resistance
- Excellent spray properties
- Good viscosity stability after tinting
- Easy handling: low viscosity

Sustainability Highlights

- Low VOC content
- APEO-free
- Heavy-metals-free (e.g. organic tin compounds)
- Solvent-free
- Very efficient at low dosage



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