

# Rheovis® HS 1152 / HS 1162

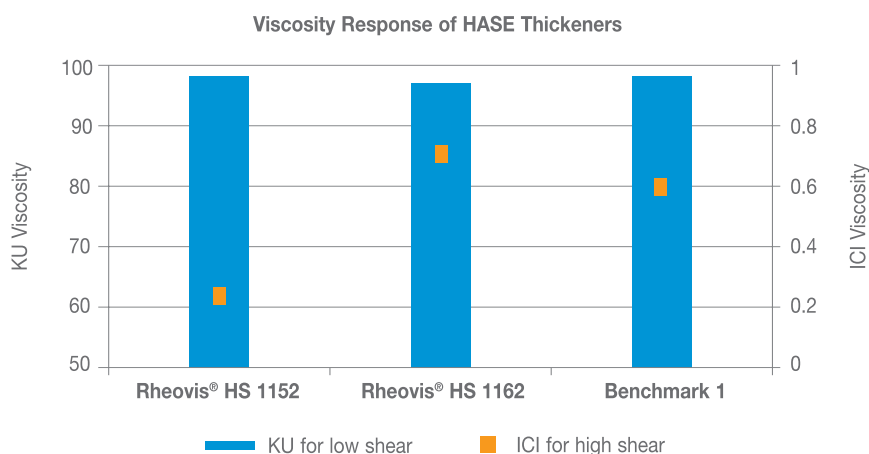


## Acrylic rheology modifiers for boosting low-shear viscosity

Rheovis® HS 1152 and Rheovis® HS 1162 are hydrophobically modified alkali swellable emulsions (HASE) and, upon neutralization with a base, enhance low-shear rheology in water based coating systems. This pseudo-plastic rheology response gives paint formulators a cost effective way to improve anti-settling and sag resistance of the coating.

### Comparison in a zero VOC semi-gloss white architectural paint

The graph below shows variable high shear response (ICI Viscosity) when paints are formulated to the same KU @ ~ 98. The data points to the superior ICI efficiency of Rheovis® HS 1162 while Rheovis® HS 1152 is useful when a formulator needs her KU builder to have minimal impact on ICI.



BASF's HASE rheology modifiers give the formulator the ability to tailor the coating viscosity profile to meet their specific needs. Rheovis® HS 1152 should be considered for enhancing low-shear viscosity when limited impact on high-shear viscosity is desired. In coatings where both high shear and low shear viscosity enhancements are required, Rheovis® HS 1162 is an excellent choice.

### Rheovis® HS 1152 / HS 1162: Characteristic Values

Property	Rheovis® HS 1152	Rheovis® HS 1162
Solids content	~ 40%	~ 35%
pH value	~ 3.2	~ 3.5
Brookfield viscosity	~ 5 mPa·s	~ 5 mPa·s
Density	1.05 g/cm <sup>3</sup>	1.04 g/cm <sup>3</sup>

### Performance Highlights

- Impart cost effective pseudo-plasticity
- Improve anti-settling and sag resistance
- Compatible with a variety of paint systems
- 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



## Contacts worldwide

### Asia

BASF East Asia Regional Headquarters Ltd.  
45/F., Jardine House  
No. 1 Connaught Place  
Central  
Hong Kong  
formulation-additives-asia@basf.com

### Europe

BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
formulation-additives-europe@basf.com

### North America

BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
formulation-additives-nafta@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

[www.basf.com/formulation-additives](http://www.basf.com/formulation-additives)

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 products to ensure that any proprietary rights and existing laws and legislation are observed. When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed.

® = registered trademark of the BASF Group