



## H-1100A Polyurethane Associative Thickener

### Technical Specifications:

Property	Specification
Appearance	Colorless or pale yellow transparent substance
Solid Content	40%±2, 50%±2
Colloidal Charge	Non-ionic
Viscosity at 25 °C	5000-8000 mPa.s
Specific Gravity at 25 °C	1.02-1.06

### Product Features:

1. Strong associative properties, high viscosity at low shear rates, and strong pseudoplasticity.
2. Excellent thickening effect with good flowability and leveling properties.
3. Free from toxic substances such as organotin and APEO.
4. Good dispersibility, aiding in the wetting and dispersion of pigments in formulations.
5. Nonionic, unaffected by the pH of the system.
6. No adverse effect on the gloss of the formulated product.
7. Suitable for medium to low shear applications.

### Application Range:

- Water-based coatings
- Water-based adhesives
- Water-based inks
- Textile coatings
- Leather finishing

### Precautions:

1. Associative thickening is affected by temperature, with higher viscosity at lower temperatures and lower viscosity at higher temperatures. Temperature conditions should be considered when designing formulations.
2. When the batch of thickened raw materials changes, further testing should be conducted to determine the appropriate amount of thickener.
3. This product may crystallize at low temperatures; crystallization does not affect the product's performance. If crystallization occurs, heat the product to melt the crystals before use.



## *SiO New Material*

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**Storage Conditions:** This product can be stored for one year in its original sealed packaging at temperatures between 5°C and 35°C.

*The information we provide about the product is complete and reliable, but given the variability and complexity of application conditions, any specific application of our product should be tested and evaluated in advance.*