



NUMBER 4200-3 (Supersedes 4200-2)

Aquaflow™ NLS-200 nonionic synthetic associative thickener

For Low-Shear (KU) Viscosity Build in Waterborne Paints and Coatings

Aquaflow NLS-200 rheology modifier is a nonionic synthetic associative thickener (NSAT) designed to build Stormer viscosity and provide superior flow and leveling in latex paints.

Aquaflow NLS-200 NSAT is compatible with acrylic, styrene-acrylic, vinyl-acrylic and vinyl acetate ethylene (VAE) latexes can be used in interior and exterior paint formulations.

Typical Properties^(a)

Chemical type	hydrophobically modified polyether
Appearance.....	hazy white liquid
Solids, weight %	25
Carrier	80/20 water/diethylene glycol monobutyl ether
Viscosity ^(b) as supplied, mPa*s (cps).....	3,000-4,500
Density, lb/gal	8.73
g/mL	1.05

(a) Values are typical properties and are not to be regarded as product specifications.

(b) Brookfield LV readings at 25°C.

Product Benefits

- Cost effective
- Superior flow and leveling
- Excellent spatter resistance
- Full gloss development
- pH insensitive
- Biostable

Applications and Formulation

Aquaflow NLS-200 NSAT can be used in a variety of paint formulations and is fully compatible with other rheology modifiers. For example, using Aquaflow NHS-300 NSAT with Aquaflow NLS-200 NSAT will increase high-shear viscosity. Adding Natrosol™ Plus modified hydroxyethylcellulose (HMHEC) can enhance sag resistance and color development.

When used as the sole thickener, some low shear NSATs will exhibit excellent anti-sag properties but may also adversely impact the flow and leveling. The addition of a high shear thickener to such systems will provide the excellent sag resistance and flow and leveling balance.

Incorporation

It is recommended that Aquaflow NLS-200 rheology modifier be incorporated into the paint formulation before the addition of the latex.



Packaging and Storage

Aquaflow™ NLS-200 NSAT is supplied in plastic drums of 200 kilos net or in totes of 1050 kilos net. It is recommended to use the product in rotation on a first-in-first-out basis. The product should be stored under dry and clean conditions at room temperature in its original packing away from heat.

Product Safety

Please read and understand the SDS before using this product.