

BULLETIN VC-882

Jaypol™ AL

Thickening and Rheological Control Additive

Product Overview

Jaypol AL is a highly concentrated rheological control additive. It can be used in a wide range of water-based systems.

Benefits

- Excellent rheological control
- Low dosage
- Effective across a wide range of water based systems and applications

Applications / Uses

Jaypol AL can be used in a wide range of water-based adhesives and latex. The product is especially suited for adhesive systems. Typical application includes:

- DIY adhesives
- Conventional industrial adhesives, e.g., for the building industry
- Pressure sensitive adhesives
- High speed machine adhesives
- Silicone defoamers

Jaypol AL is effective over a wide pH range (pH 4-12).

Performance Data

Jaypol AL is a formulated product based on an acrylic polymer carried in an aliphatic hydrocarbon. The polymer provides the rheological control effect through swelling of the high molecular weight polymer in the presence of water.

Usage Notes

Although Jaypol AL is freeze stable, it is recommended to store the product at temperatures above 5°C to enable easy handling of the product. Freezing will affect the physical condition and may damage the material. Oxidizing agents may cause exothermic reactions.

Read and understand the SDS before using this product.



FORMULATION NOTES:**1) Direct addition to latex or polymer emulsion.**

Provided efficient mixing equipment is available, Jaypol AL can be poured directly into the latex/emulsion. If this is not possible due to machinery limitations, localized thickening can be prevented by predilution of the additives with the carrier solvent mixture (for example aliphatic hydrocarbon) at a ratio of 1:2.

2) Pre-gel formation

Jaypol AL can be diluted with water to form a stock solution if this method is preferred.

The amount of Jaypol AL required for optimum performance should be determined by trials covering a concentration range.

Recommended concentration:

adhesives and latex:	0.5 – 1.0% Jaypol AL (based on total formulation)
pre-gel / stock solutions:	3.0% Jaypol AL in water

Physical Properties

Description:	Jaypol AL is a highly concentrated rheological control additive.
Appearance	off white polymer in liquid dispersion form
Odor:	Aliphatic
Specific gravity (20 ⁰ C)	approx 1.1 g/cm ³
Active content:	approx.55%
Flash point (open cup):	>100 ⁰ C
Viscosity:	<3000 cP
pH:	approx. 6.5 @ 2%