

Solvent Thixotropy Thickener LD-7003

(Similar to THIXATROL ST)

First, summary

LD-7003 is an organic thixotropic agent, which can be used to control the rheological properties of solvent-borne systems. It is generally recommended to use in the dispersion processes in dispersion equipment that will generate heat (the maximum temperature is 55).

Second, physical property

Appearance: milky white powder

Density: 1.02 g/cm³

Third, application area

Maintenance of hammer paint

Epoxy system texture and transparent finishing paints

Self-drying and baking industrial paints colorants

Building paint antifouling paints

Chlorinated rubber paint caulking compound and thick paste paints

Road marking paints and cosmetics

Fourth, how to use

Use LD-7003 with the formula amount of 10%, n-butanol or isopropanol with the formula amount of 10%, and xylene with the formula amount of 80%. Note that the input temperature should not be lower than 40 ° C, and the mixing temperature should not exceed 50 ° C, otherwise the use effect will be affected. Add 3% - 5% (in the form of glue solution).

In order to achieve the best effect, it is recommended to use this thickener mixed with bentonite. The bentonite formula is 0.5% - 0.8% of the total amount added, and the thickener is 0.3% (added in powder form) of the total amount added.

In the above humidity range, LD-7003 should be applied with as much shear force as possible during dispersion. The stronger the dispersion or grinding effect is, the better and faster the effect is.

Fifth, recommended dosage

The amount of LD-7003 varies according to the type of application system. In the coating, the initial dosage of LD-7003 is 0.2% - 0.5% (weight) of the total formulation.

Sixth, advantage

It has good thixotropy, thickening and anti-sinking properties.

It is conducive to suspension of pigments and fillers.

Controls liquidity and fluidity.

Controls the penetration of liquids on porous surfaces.

Anti-sagging feature available

Excellent storage stability.

It does not react with pigments and base materials and is easy to disperse.