

# **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/cm<sup>3</sup>

## **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.