

Latent waterborne curing agent

RG-2842

Characteristics and Benefits:

The water-based latent curing agent can coexist stably with resin containing active groups (hydroxyl, carboxyl, amine, epoxy group, etc.) at room temperature. After being heated at 110-120°C, the -NCO groups released by this product can react with hydroxyl, carboxyl, amino and other groups to form cross-links, significantly improving the color stability, adhesion, bonding strength and sterilization resistance of polyurethane, polyester, alkyd resin and acrylic resin, etc. It also has excellent hand feel and yellowing resistance performance.

Product Specifications:

Appearance	Milky white liquid with blue light
Solid content	40 ± 1%
Viscosity	<100
Ionic nature	Non-ionic
Density	1.02-1.06 g/m ³
Post-reopening NCO content	4.5-5.0%
Reopening temperature	110-120°C

Application fields:

1. As an internal crosslinking agent for single-component thermosetting water-based coatings, it significantly improves the water resistance, chemical resistance, durability, adhesion, mechanical properties, etc. of water-based resin coatings through curing and crosslinking.
2. As an auxiliary agent for "three protection" emulsions, it fixes organic fluorine/organic silicon onto the surface of cotton fibers or polyester fibers, increasing the number of water washes of "three protection" fabrics.
3. As an internal crosslinking agent for textile coatings and printing pastes, it

enhances adhesion and properties such as water wash resistance, wear resistance, and color stability.

4. As an internal crosslinking agent for single-component metal baking paints, it can replace amino resins for use, improving performance, without formaldehyde release, and having excellent yellowing resistance.

5. Treatment agent for polyester or polyester cord fabric, improving the bonding performance between polyester and rubber.

Usage method:

According to different applications, add in a certain proportion. The recommended dosage is 3%-8%. Adjust as per experimental results.

Storage:

In a cool, ventilated, and dry warehouse, it can be stored for more than 6 months.