

Waterborne isocyanate hardener/curing agent DOXU-5100

Product Features :

This product is an anionic water dispersible isocyanate curing agent based on HDI, with good hydrophilicity, easy emulsification, and ultra-low VOC; Used as a curing agent for two-component water-based coatings, it has the characteristics of high gloss, good fullness, high hardness, and excellent chemical resistance.

Application scope:

Water based two-component polyurethane curing agent, water-based industrial paint, floor paint, crosslinking agent and other fields.

Product Parameters :

| Product Indicator | Product parameter | Unit | Test Method |
|----------------------|--|-------|------------------------|
| Appearance | Water white to slightly yellow transparent mucus | / | GB/T 1721-2008 |
| (Pt Co) color number | ≤100 | / | GB/T 9282.1-2008 |
| NCO content | 20.5±0.5 | % | Di-n-butylamine method |
| Free HDI | ≤0.3 | % | GB/T 18446-2009 |
| Solid content | 100 | % | GB/T 1725-2007 |
| Viscosity (25 °) | 4500±1000 | mPa·s | GB/T 9751.1-2008 |

Instructions for Use:

1. This product can be diluted with amino ester grade solvents such as PMA (propylene glycol methyl ether acetate), PGDA (propylene glycol diacetate), PC (propylene carbonate), etc.
2. This product is extremely sensitive to air humidity. When opening or small packaging, please be careful not to let water vapor enter. After use, seal it immediately or use it up as soon as possible.

Packaging and Storage:

1. 10KG, 20KG, 60KG, 200KG iron drums or customized by customers.
2. This product must be stored in a cool and dry environment, avoiding outdoor placement. In sealed packaging, the shelf life is 12 months.

Disclaimers:

This product manual is written by our company using advanced testing equipment based on actual testing and production experience. However, the differences in working environment and material coordination during product application are beyond our company's control. Therefore, our company recommends that users conduct tests, experiments, and trials according to their actual needs and purposes before using this product. Our company does not assume any losses or risks for users using this product due to this manual.