

Water can disperse isocyanate curing agents

RG-1030

Characteristics and Benefits:

RG-1030 is a water-dispersible aliphatic polyisocyanate curing agent based on hexamethylene diisocyanate. It is applied in water-based wood/industrial coatings, floor paints, silicone PU courts and tracks, exterior wall paints, oil films, micro-cement finishes, etc. It can also be added to hydroxyl-free dispersions to improve its performance in all aspects.

Low viscosity, high hardness, low gloss, excellent chemical resistance, excellent dispersibility.

Physical parameters:

Project	Numbers	Testing method
Appearance	Water colorless to slightly	Judging by appearance
Non-volatile matter (%)	95~97	GB/T1725-2007
Viscosity (mPa·s at 25°C)	600~1000	GB/T21059-2007
Free HDI monomer (%)	≤0.1	GB/T1844-2009
NCO content (supply form, %)	21.5~22.5	The 2-n-butylamine method

Usage Instructions:

When using RG-1030, it can be diluted with solvents such as propylene glycol methyl ether acetate (PMA), propylene glycol diacetate (PGDA). It is recommended to use amine oxide grade solvents (with moisture content < 0.05%) for dilution, and the diluted solid content should be no less than 40%. Conduct specific experiments and stability tests before use. The mixture after adding RG-1030 must be used within the activation period.

Packaging:

25KG/200KG non-recyclable blue plastic drums. The product must be tightly closed after being used completely.

Storage:

The product should be stored in a sealed container to avoid freezing and high temperatures. It is recommended to store at a temperature of 5~35°C and keep the packaging intact. The product has a shelf life of 12 months from the production date. After the shelf life expires, it is recommended to conduct a performance assessment before use. The product is very sensitive to moisture and reacts with water to produce carbon dioxide and urea. The carbon dioxide gas can cause the container pressure to rise, resulting in danger. After opening the package, it is recommended to use it up as soon as possible.