



CUCAT-HC Urethane Catalyst

CUCAT-HC is efficient catalyst with high catalytic selection for the reaction of isocyanates and polyols. It has excellent solubility in polyether and polyester, without the toxicity concerns. It can pass China and EU environmental regulations.

Typical Properties	Appearance	Clear, light yellow liquid
	Colour (APHA)	≤200
	Density (g/cm ³ , 25°C)	1.032
	Viscosity (mPa.s, 25°C)	75

Solubility Soluble in normal polyurethane raw materials.

Applications CUCAT-HC is a wide applicable catalyst to be used in 2K PU systems in CASE applications, specially recommended for the MDI+polyester+BOD systems.

Advantage

Descriptions

The unique characteristics of CUCAT-HC are following:

- **High catalytic selection**
Effectively catalyze the reaction between isocyanates and hydroxyl, balance the reaction activity.
- **Long pot life to provide favorable flowing property.**
Slow catalytic rate at early reaction stage can keep low viscosity and improve flowing ability, which is important for reducing mechanical bubbles and filling moulding chamber rapidly.
- **Catalytic rate accelerate very quickly at post curing reaction stage**
CUCAT-HC can catalyze isocyanates-polyols mixture to attain required curing strength quickly during the post curing stage, specially in MDI+polyester+BOD systems showing excellent performance.

Typical Usage Levels

- Suggest adding in polyol component after vacuum degassing.
- Please do not add in isocyanate component because of gel possibility.
- Levels of 0.05-0.5% as supplied by weight on total polyol volume.

Handling & Storage

CUCAT-HC is sensitive to moisture. There, exposure to atmosphere should be avoided. Product should be stored in a cool, dry environment away from sunlight and excessive heat.

Package

25kg/200kg in HDPE drum

Shelf Life

12 months from the date of manufacture, when store at ambient conditions in the original container.

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