



Product Name: Eco-friendly Anti-hydrolysis PU Catalyst AUCAT-AS11

Typical Properties:

Model	Appearance	Density g/cm ³ (25°C)	Viscosity mPa.s (25°C)	Odor
AUCAT-AS11	Yellowish transparent liquid	1.059	3600±500	With slight special compound odor

Solubility: Easily soluble in general polyurethane raw material.

Features & Advantages:

AUCAT series catalysts are developed for the disadvantage that ordinary organometallic catalysts gradually fail in systems containing trace moisture, acid and alkali and cannot be blended for a long time. AUCAT-AS11 is recommended for curing two-component polyurethane materials, especially suitable for two-component polyurethane floor coatings, adhesives, etc. for room temperature or outdoor construction. It has the following characteristics:

- **Does not promote foaming.** The unique targeting characteristic of not promoting the reaction between trace moisture and isocyanates can avoid CO₂ bubbles generated by the reaction. This is the biggest feature that is completely different from ordinary bismuth tin amine catalysts, solving problems such as surface bubbles, bulges, pits, and peeling of non foaming polyurethane materials.
- **High catalytic activity,** rapid promotion of material surface and body curing, and good material forming performance.
- **Non deactivation in winter:** Solve the problem of slow or even non solidification of materials caused by deactivation of organic tin in winter. AUCAT-AS11 has stable catalytic activity and can be applied at low temperatures in winter. Only a small amount of addition is needed to quickly promote material solidification.
- **Environmentally friendly, it does not contain tin element, ensuring compliance with the stringent requirements of environmental regulations.** Organic tin, as a catalyst, has always occupied a dominant position in the polyurethane industry, but its toxicity and environmental hazards have attracted widespread attention. In recent years, many environmental regulations at home and abroad have strictly restricted and banned organic tin, which is no longer suitable for market development and demand. Most enterprises have already started their elimination and replacement work.
- **Resistant to hydrolysis.** Ensures stable catalytic activity without decay after adding in polyol components for long-term storage, which can avoid accidents such as non solidification caused by catalyst hydrolysis and failure.

Applications:

Widely applicable to the application of polyurethane in all fields. Recommended for room temperature or heat cured materials in the polyurethane CASE field, especially recommended for polyurethane floor coatings, adhesives, and other fields.

User's Guide:

- Used for two component polyurethane, can be pre mixed with polyol components, and the catalytic activity does not fail after long-term storage.
- The general addition amount is 0.05-0.5% by weight of the polyol component.
- The packaging container must be kept sealed, and the can mouth shall be sealed immediately after use.

Package & Storage:

25kg/200kg in HDPE drum. Please store in a cool, dry warehouse away from sunlight and rain.

Shelf Life: Unopened shelf life 18 months from the date of manufacture. If the catalytic activity is not reduced by test after the shelf life, it can still be used as qualified products.

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