



Technical Data Sheet

Product Name: Low TVOC Eco-friendly PU Catalyst CUCAT-V19 for Sport Track.

Typical Properties:

Model	Appearance	Colour (Fe-Co)	Density g/cm ³ (25°C)	Viscosity mPa.s (25°C)
CUCAT-V19	Brown transparent liquid	≤13	1.017	450±100

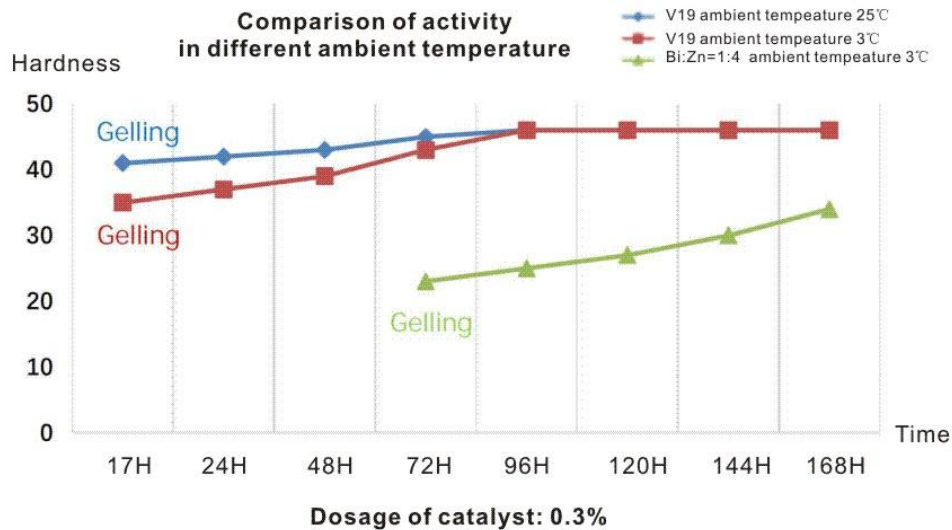
Solubility: Soluble in general polyurethane raw materials such as polyether polyols, plasticizers, etc.

Applications: It is widely used in sports venues such as Plastic Cement and Rubber Runway, etc.

Features & Advantage:

It is specially developed for the strict regulations of TVOC and solve the problem of slow curing in winter construction. It has the following characteristics:

- It is specially developed for the strict regulations of TVOC in the new national standard GB36246-2018 《Synthetic Material Surface Sports Ground for Primary and Secondary Schools》. The boiling point is above 300 °C, much higher than the 250 °C defined by VOC, it does not belong to VOC substances; Exceeding the upper limit of 287 °C specified in the synthetic material standard TVOC for sports venues, there is almost no increase of TVOC in the synthetic material, solving the problem of TVOC exceeding the standard caused by common organic bismuth zinc catalysts containing isooctanoic acid/neodecanoic acid.



Maintaining high catalytic activity in a low temperature (0-10 °C) environment in winter. It can significantly increase the winter construction period by providing sufficient strength for the subsequent process construction on the second day of paving construction.

- **High catalytic activity.** Under low temperature conditions in winter, it can still promote sufficient reaction of polyurethane materials, ensuring that the physical properties of the materials do not decrease.
- **Low addition amount and low overall cost.** Solved the problem of ordinary catalysts being unable to achieve the expected strength despite increasing the dosage several times during low temperatures in winter.

User's Guide:

- When using, add it into component P (Polyol) in a general amount of 0.2-0.5%, following the principle of less in summer and more in winter; It is not recommended to add component I (Isocyanate component). If it must be added into component I, feasibility test must be carried out first to avoid the gelation in the synthesis process and storage period.
- The Yourun V series products have excellent stability, and the V19 can be mixed with component P in the workshop or added at the construction site.



Handling & Storage:

Product should be stored in a cool, dry environment away from sunlight, excessive heat and rain. The color of the product may gradually deepen during storage, which is a normal phenomenon and does not affect the catalytic effect.

Package: 25kg/200kg in HDPE drum

Shelf Life: The unopened shelf life is 18 months from the date of manufacture. After shelf life, please do test to make sure the catalytic properties before use.

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