Vuba Catalyst – Europe

Technical Datasheet

Product Description

Catalyst, chemically known as Dibutyltin Dilaurate, accelerates the cross-linking process in two-component polyurethane systems. By promoting efficient bonding between the resin and hardener.

Using enough catalyst is essential to prevent damage caused by extended curing times, such as disturbance from animals. Along with temperature and environmental conditions, catalyst is a key factor in the curing process. More importantly, it is the variable that can be adjusted quickly and easily on site.

Un-Catalysed Resins

You must add catalyst to un-catalysed resin kits for them to cure. Catalyst addition is to the Part A of the Resin Bound Kit. We recommend adding the amounts shown in the table below of Vuba Catalyst. For lower temperatures you would add more catalyst, and less for higher temperatures. For experienced contractors, adding your own catalyst gives you a lot more freedom and ability to select the exact right amount of catalyst for that day of application.

Recommended Catalyst:

Ambient Temp °C	Recommended Catalyst Addition (ml)
0-5	16
6-7	14
8-9	13
10-11	12
12-13	11
14-15	10
16-17	9
18-19	8
20-21	7.5
22-23	7
24-25	6
26-27	4
28	3.5

Vuba Catalyst vs Vuba Accelerex

Vuba Catalyst is supplied as a full-strength catalyst formulation designed to deliver high curing efficiency at low addition rates.

In comparison, Vuba Accelerex is formulated by highly catalysing polyurethane resin, requiring higher addition per kit to achieve equivalent curing performance.

Due to its increased concentration, Vuba Catalyst requires significantly lower addition levels than Vuba Accelerex.

Careful measurement and accurate dosing are essential when using Vuba Catalyst due to its increased concentration.

NOTE:
Only to be used with Un-Catalysed resin

Certification

Adding Catalyst

First you should check the ambient temperature for the day using weather apps. Surface temperatures often differ from air temperature and so it is also recommended to take a reading of the surface temperature using an Infrared Thermometer. High surfaces temperatures should be taken into consideration when deciding upon catalyst addition, reducing as necessary.

Catalyst addition does not need to remain constant throughout the laying process, and minor adjustments will not affect the finished appearance. However, where possible, catalyst levels should be kept consistent to ensure uniform curing. More experienced contractors will often make small, controlled adjustments to catalyst levels in response to changing site conditions throughout the day.

It is recommended to reduce catalyst levels during the hottest part of the day and increase them toward the end of the project, as later mixes will have less available curing time than those laid earlier. Care should be taken not to reduce the pot life of the kit excessively.



How is Catalyst Supplied?

Vuba Resin Bound Catalyst is supplied in a 200ml container. Using an average of 10ml per mix, each 200ml container will last for 20 mixes of resin bound surfacing.

Tips

A useful technique is to place a small amount of mixed resin onto the lid of a Part A container and observe its curing profile. If the mix appears to be curing too quickly, the catalyst level can be reduced; if curing is too slow, the catalyst level can be increased accordingly.

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