

Protectakote Accelerator

Protectakote Accelerator is a pure, solvent free catalyst used to speed up the drying time of Protectakote non-slip and smooth coatings.

PRODUCT USES

- *Protectakote Accelerator* is a second component that can be added to *Protectakote* coatings to speed up the drying time
- *Protectakote Accelerator* should only be added where time constraints exist and temperatures are lower than 15°C.
- *Protectakote Accelerator* should be added to the product just prior to use and stirred in well.

RATE OF ADDITION

- *Protectakote Accelerator* is supplied in preweighed doses suitable for either 1 litre packs or for 4 litre packs.
- The product is supplied in a 20ml dose for addition to a litre, or an 80ml dose for addition to a 4 litre pack.
- In rare cases two doses may be added- when humidity and/or temperature is very low.
- The active catalyst in a 20ml dose is 3g of DBTDL, while an 80ml dose contains 12g of DBTDL.
- A 20ml (or 80ml) dose is a 2% addition by volume.
- The percentage addition of active accelerator is 0.3% by mass per dose.

ADDITION

- Stir product well before addition.
- Add the accelerator with stirring.
- Ensure that the accelerator is well mixed in.
- Put the lid back on until you are ready to apply the coating.

APPLICATION

- Apply the product as usual if used at low temperature or humidity.
- If used at room temperature to speed up the drying time, apply thinner coats than usual.
- *Protectakote Accelerator* may reduce the glossiness of the application especially when the humidity is high.
- *Protectakote Accelerator* is the correct accelerator to use with clear and smooth UVR products but will be ineffective with all textured UVR products. This is due to the different curing mechanism used in clear and smooth *Protectakote UVR* products.

IMPORTANT

Do not confuse with *Protectakote UVR Accelerator* which is also in 20ml and 80ml doses. Addition of *Protectakote UVR Accelerator* to regular *Protectakote* will cause lumps to form immediately and render the product useless.

FINISH

- *Protectakote Accelerator* can reduce the gloss of the coating if used at normal temperatures.
- *Protectakote Accelerator* can also increase the incidence of surface defects like pinholes, if used at normal temperatures.

COLOURS

- Suitable for all colours of *Protectakote*.

ADVANTAGES

- Pre-weighed – just add and stir in.
- Long pot life- accelerated product can be kept for 24-48 hours before thickening occurs.
- Fast drying - Drying times can be reduced to as little as one hour.
- Low humidity and low temperature effects which extend drying times can be reduced.
- Lead & heavy metal free.

SAFETY PRECAUTIONS

- When working with **Protectakote Accelerator** normal precautions for handling chemicals should be taken (wearing rubber gloves, goggles.) Contact with the skin and eyes should be avoided.
- Wear safety goggles and protective gloves. Avoid contact with skin and eyes.
- Spillage/leakage: Do not empty into drains. Take up with absorbent material. Fill into sealable containers. Dispose of containers in accordance with local waste disposal legislation in your country.
- Skin contact: Remove contaminated clothing and wash skin thoroughly with soap and water.
- Eye contact: Flush immediately with water for 10-15 minutes and contact a physician.
- Not for internal consumption. If swallowed, contact a doctor or poison control centre immediately. Do not induce vomiting. Drink water.
- Keep out of reach of children.

TECHNICAL DATA

Pack size 20ml & 80ml for addition to 1L Protectakote or 4L Protectakote respectively.

Drying schedule @ 330 microns wet film thickness:

The following table shows drying times of Protectakote at various temperatures with and without the use of accelerator:

Temperature ^o C	DRYING TIME		
	no accelerator	one dose	two doses
23	3 hours 30 mins	2 hours	1 hour 25 mins
20	4 hours 30 mins	2 hours 30 mins	2 hours
15	5 hours 15 mins	3 hours 30 mins	2 hours 45 mins
10	9 hours	4 hours 30 mins	3 hours 45 mins
8	12 hours	6 hours	5 hours

Technical details above are provided in good faith. We are an ISO 9001: 2008 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.

Updated: February 2016 (this supercedes all previous publications)