

## Technical Information

### Mitrelock® Activator

Mitrelock® Aerosol Activator (DMPT-Free) accelerates the cure of instant adhesives, designed for woodworkers, cabinetmakers, and DIY enthusiasts who prioritise speed and precision. This new **DMPT-free** accelerator, offers improved safety without compromising on performance.

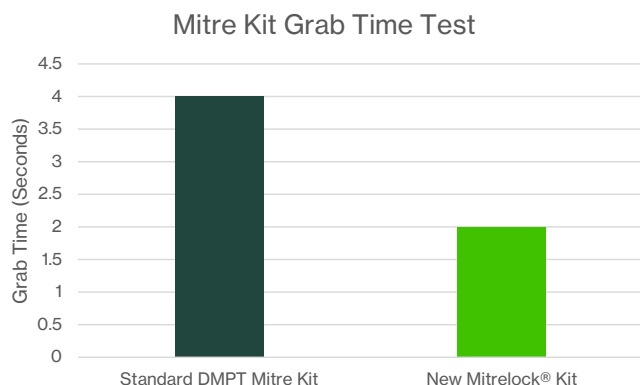
- ▶ New **Enhanced** Instant Bond Formulation
- ▶ **Longer Activation** Life on Part
- ▶ Suitable for **Outdoor & Indoor** Use
- ▶ Final Bond **Stronger Than Wood**
- ▶ **LOCKS IN SECONDS!**

### Safety and Environmental Considerations

The Mitrelock® activator is formulated without DMPT, ensuring a safer and cleaner application process. This reduces exposure to potentially harmful chemicals while maintaining high-performance standards – an excellent choice for modern woodworking safety requirements.

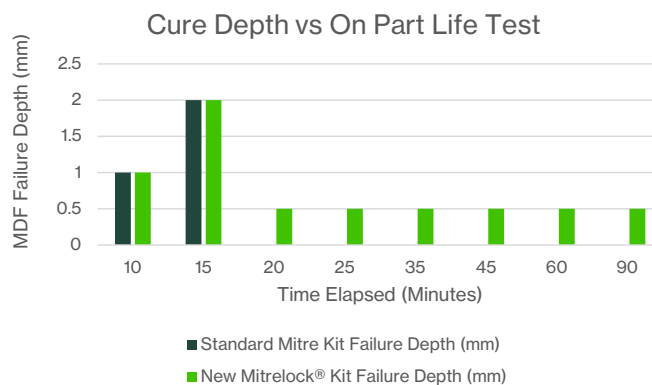
### Grab Time Test

An MDF block was uniformly coated with an activator spray for a duration of 2 seconds. After a 10-minute interval, approximately 3 mm thick bead of mitre kit adhesive was applied to an adjacent MDF block. The samples were held in contact under firm pressure for 10 seconds. Immediately thereafter, the samples were forcibly separated. Ambient conditions during testing were maintained at a relative humidity of 57–61% and a temperature of 17–18°C.



### Depth of Cure vs On Part Life

An MDF block was uniformly coated with mitre kit activator spray for a duration of 2 seconds. After a timed interval, approximately 3 mm thick bead of mitre kit adhesive was applied to an adjacent MDF block. The samples were held in contact under firm pressure for 10 seconds. Immediately thereafter, the samples were forcibly separated. Ambient conditions during testing were maintained at a relative humidity of 57–61% and a temperature of 17–18°C.



### Evaporation vs Mass Dispensing

Mitrelock® utilise a solvent carrier to deposit the primary active ingredient onto the substrate to be bonded. The Mitrelock activators effective application minimises product wastage, the newly formulated activator reduces excess mass dispensed by 20% compared to DMPT alternatives. Over wetting the surface can lead to reduced adhesion performance. A single, controlled spray is enough to achieve optimal activation.

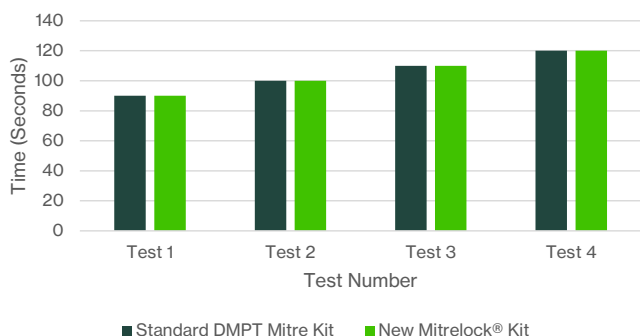
#### Evaporation Time Test

Time measured for complete evaporation from surface.  
Conditions 15.1C RH71.1%.

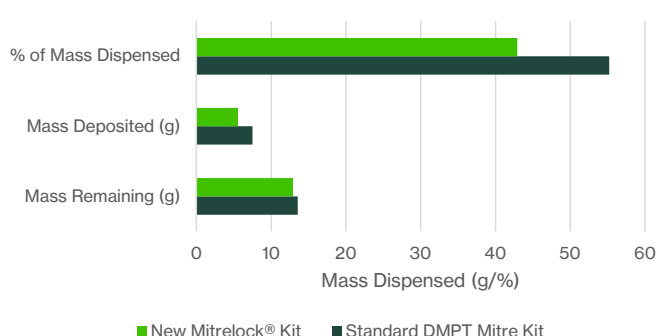
#### Mass Dispensing Test

Activator sprayed for 10 secs, aerosol weighed before and after each test. Conditions: Temperature 16.0oC, RH 60.0%.

Activator Evaporation Time Test



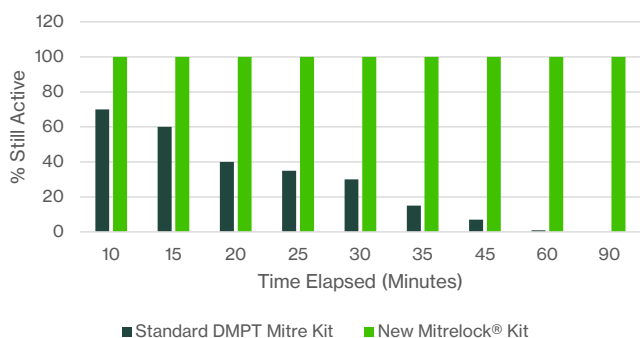
Activator Mass Dispensing Test



#### On Part Life Test

MDF samples were aerosol-sprayed for 2 seconds to uniformly cover the surface. Approximately 3 mm diameter bead of adhesive was applied to a second MDF sample following the specified elapsed time. The samples were held in contact under firm pressure for 10 seconds. Immediately thereafter, the samples were forcibly separated. Ambient conditions during testing were maintained at a relative humidity of 57–61% and a temperature of 17–18°C.

Activator On Part Life Test



#### General Information

For information on safe handling of this product consult the Safety Data Sheet (SDS).

#### Storage

Store in a cool area and out of direct sunlight.

#### Disclaimer

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At Cyanotec, we are committed to providing you with personalized guidance to identify the most suitable solution for your needs. If you are aware of the product you require and would like to receive a quote, please feel free to call us at **01384 294 753**. Alternatively, you may email your specifications to [sales@cyanotec.com](mailto:sales@cyanotec.com), and we will promptly prepare a quote for you.