

## **Product Information**

Electronic Protection System

**Accelerator for**

**2-component polyurethane and epoxy systems**

**Bectron<sup>®</sup> AP 1104**

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## Product description

Bectron<sup>®</sup> AP 1104 is an unfilled, colourless, solvent free accelerator developed for electronic applications.

Bectron<sup>®</sup> AP 1104 satisfies the requirements of the ROHS directive.

## Areas of application

Bectron<sup>®</sup> AP 1104 accelerator is used in potting materials for electronic components for harsh environmental conditions and fast curing.

It has to be used with 2 component polyurethane or epoxy resin.

## Properties of the accelerator

- low viscosity
- suitably for polyurethane and/or epoxy systems
- ROHS compliant

## Storage

Containers filled with Bectron<sup>®</sup> AP 1104 should be kept closed to protect the accelerator from humidity, carbon dioxide and oxygen.

Opened containers of the Bectron<sup>®</sup> AP 1104 should be used up as soon as possible because Humidity/carbon dioxide could decrease activity of the accelerator or prepare a precipitate.

The shelf life of Bectron<sup>®</sup> AP 1104 will be 3 month in original sealed containers

## Processing suggestions

**Pre-treatment:** The components to be potted should be clean dry and free from grease and compatibility between the accelerator and the potting materials should be checked prior to use.

**Application:** The accelerator has to be mixed into the resin component. For reproducible results a balance will be needed.

To achieve a homogeneous mixture resin and accelerator should be stirred for minimum 15 min.

A vacuum degasing will be needed if the potting result should be bubble free.

Take care and start with a small sample to test acceleration of reaction speed.

Usually the maximum of addition of accelerator will be less than 3 %. Due to high speed of reaction, temperature increase will occur. Increase of temperature will also accelerate reaction.

Processing time depend on mixed amount of potting material and start temperature.

If the resin was homogeneous mixed with the accelerator the hardener could be added in the required amount.

The addition of accelerator didn't change the mix ratio of resin and hardener.

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