ELANTAS
Electrical Insulation

**Product Information**

Electronic Protection System

**Masking Material**

# Bectron® AP 8100

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## Product description

Bectron® AP 8100 is a 1-component modified natural rubber based masking material for covering components during conformal coating for easy removal.

## Areas of application

Bectron® AP 8100 is a thixotropic material suitable selectively covering most types of electronic component such as LEDs and connectors on PCBs. It can cover via and plated holes in the PCB and complete encapsulation of pins jumpers and other components.
The curing is rapid to form a material which is very elastic.

## Properties of material as supplied

Viscosity – Thixotropic (DIN 53018)

Density 1.0 g/cm$^3$ (DIN 53217)

## Properties of the cured material

The cured AP 8100 forms a soft flexible rubber which can be stripped off easily without introducing contamination or corrosion to the masked area.
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## Storage

Bectron® AP 8100 is supplied in sealed cartridges. Storage should stored be in the temperature range +5 to +30°C.
Bectron® AP 8100 must be protected from freezing, which will cause premature solidification.
Air and water will initiate curing so the cartridges must remain well sealed during storage.

## Processing suggestions

Bectron® AP 8100 should be applied directly from the cartridge with a suitable nozzle.
The cartridges should be allowed to reach their application temperature, 20 to 30 °C, before use to allow the viscosity to reach the specified level.

## Curing

Thin film (1mm) will cure at Room Temperature in about 1 hour.
Thicker films (up to 3 mm) require 6 to 10 hours.
Curing can be accelerated by heating to maximum 60°C. Rapid heating may cause bubbles to form.

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