

Product Information

Electronic Protection System

**Adhesion promoter for
2-component silicone systems**

Bectron[®] AP 1103

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Product description

Bectron[®] AP 1103 is an unfilled, orange coloured, solvent containing adhesion promoter developed for electronic applications.

Bectron[®] AP 1103 satisfies the requirements of the ROHS directive.

Areas of application

The Bectron[®] AP 1103 adhesion promoter is used for potting electronic components used in harsh environmental conditions. It has to be used with 2 component silicone resin.

Its chemical properties indicate an application prior potting. Parts with limited adhesion could be covered with Bectron AP 1103 to improve adhesion.

Properties of the adhesion promoter

- High thermal resistance
- suitably for condensation and/or addition curing silicone systems
- very good adhesion to heterogeneous materials
- Low viscosity
- ROHS compliant

Storage

Containers filled with Bectron[®] AP 1103 should be kept closed to protect the promoter from humidity and oxygen.

Opened containers of the Bectron[®] AP 1103 should be used up as soon as possible because Humidity/carbon dioxide could decrease activity of the promoter.

The shelf life of Bectron[®] AP 1103 will be 3 months 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 promoter and all materials on a PCB should be checked prior to use.

Application: The promoter could be applied by brush, spraying, dipping on areas where an improved adhesion was needed.

The optimal thickness was applied. If the area showed a homogenous orange colour after drying. Bectron[®] AP 1103 has to dry only at ambient temperatures. An accelerated drying at elevated temperatures should be avoided (decrease activity).

Parts covered with Bectron[®] AP 1103 need approx. 1 hour to dry. Sometimes the cover could be a little bit tacky after drying.

After drying of the Bectron[®] AP 1103, potting should immediately occur to receive best results.

Our advice in application technology given verbally, in writing and by testing corresponds to the best of our knowledge and belief, but is intended as information given without obligation, also with respect to any protective rights held by third parties. It does not relieve you from your own responsibility to check the products for their suitability to the purposes and processes intended. The application, usage and processing of the products are beyond our reasonable control and will completely fall into your scope of responsibility. Should there nevertheless be a case of liability from our side, this will be limited to any damage to the value of the merchandise delivered by us. Naturally, we assume responsibility for the unobjectionable quality of our products, as defined in our General Terms and Conditions