

Smart Card Production

Eurobond
ADHESIVES LIMITED



Chip Coating

- Vitralit 1600LV, 1650

Dam & Fill

- Vitralit 1660, 1671

Module-bonding

- Cyanolit 732F fluorescent

Antenna print

- Elecolit X-160378

Antenna Contact

- Elecolit 3012
- Vitralit 1605

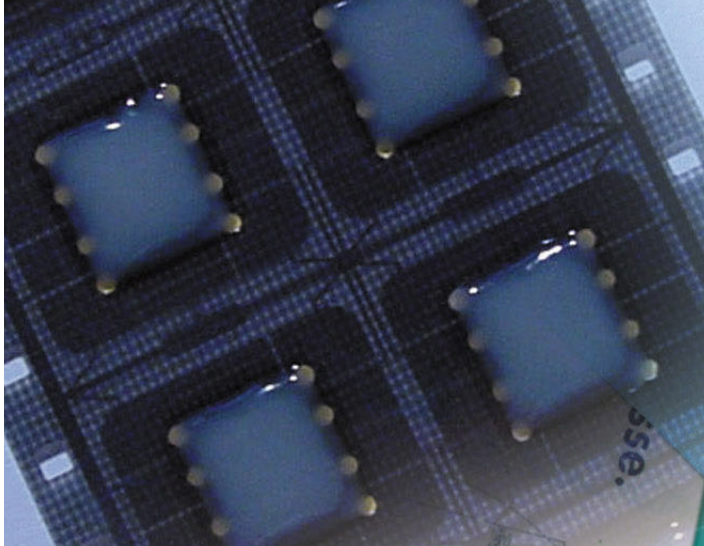
Eurobond Adhesives Ltd provide a specific range of products designed for the manufacture of Smart Cards.

For expert advice and information on any Smart Card module production or embedding application, please contact us.



Contact Cards

The direct contact between the chip and the card system requires special products and manufacturing methods to protect the chips. A range of special adhesives and coatings have been developed for these specific applications.



Chip Coating

Vitralit 1600LV and 1650 are flexible UV curing one component epoxy resins with high ionic purity .

Vitralit 1600LV has a high Tg, low water absorption, and good resistance to acid with low thermal expansion.

Vitralit 1650 has a low Tg and good climate resistance.

Dam & Fill

Vitralit 1660 can be cured by applying UV-A or low temperature heat cure. It is suitable for components with low pitch distance, has a low ionic content, is thermally conductive with very small particles <math><10\mu\text{m}</math>.

Vitralit 1671 is a one component dam material which can be cured at low temperatures, both through applying UV-A or heat.

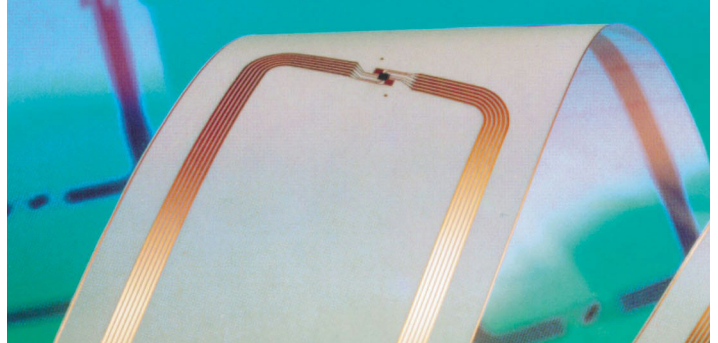
It has high ionic purity, good thermal conductivity and low water absorption.

Module Bonding

Cyanolit 732F fluorescent is intended for bonding flexible chip cards. The fluorescence allows visual inspection giving optimum dispensing control and a special filmformer prevents capillary or wicking into the module cavity. It is resistant to bending with high humidity resistance.

Contactless Cards

Innovative developments from Eurobond Adhesives specifically in the area of UV curing conductive adhesives make these ideal products for manufacturing cards with contact free transmission of data.



Antenna Print

Elecolit X 160378 is a single component, electrically conductive adhesive. It can be UV or heat cured, and is particularly suitable for use in surface assembly in the 3D-MID area and can also be applied during screen printing or as a thick layer paste.

Antenna Contact

Elecolit 3012 is a single component, silver filled, solvent free adhesive with outstanding conductivity. **Elecolit 3012** fills cracks well and can be applied using a dispenser or by screen printing.

Vitralit 1605 can be cured either by UV or heat and has outstanding chemical resistance. It has a very high Tg and is ideally suited to Flip-Chip bonding applications.

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