



Scapa *unique* Thermofilm® Heat-Activated Films for Lamination of Cards & E-passports

The smart card industry is moving very rapidly, with manufacturers introducing an ever more advanced array of new products with new types of functionality to the market. The next generation technologies such as e-Passport, contactless, dual and multi-components cards are the smart cards manufacturers' answer to the market needs for security, functionality and ease of use.

Scapa continues to develop innovative adhesive products that accommodate the need of increased functionality of smart cards or e-Passports while optimising production processes and increasing their safety and efficiency. Our range of Thermofilm® Heat-Activated Films has been and is still being developed in close cooperation with customers to ensure availability of cutting-edge, application-specific solutions adapted to customers' needs.

Next generation of smart cards

The next generation of smart cards uses a manufacturing process called layer lamination, which brings its particular set of challenges to manufacturers. Scapa Thermofilm® G160 & G161 Heat Activated Films allow manufacturers to preserve the integrity of electronic components, as the adhesive operates at temperatures as low as 70°C, instead of 180°C or more.

Scapa's specialist range of Heat-Activated Films offers:

- Films which provide reliable and long term adhesion to all types of substrates.
- Scapa offers coating onto your substrate directly, as well as die-cutting capabilities.
- Scapa G160 is an ultra-thin film, while Scapa G161 is opaque and leaves components inside the card invisible.

E-Passport: the new way of travel

With increased international safety concerns, passenger screening has become a priority for many Governments across the globe. E-passports which are a combination of paper and electronic device, and which use biometrics to authenticate the identity of travellers have been introduced as a response. The contactless smart card technology inside not only increases the levels of security but also improves the speed of customs at the airports.

Scapa's response to this very demanding application includes:

- Films which provide reliable and long term adhesion to all types of covers and security papers used.
- Our specialist product range ensures a secure bond of passport layers, resistant to daily mechanical wear and tampering attacks.
- The operational temperature of Thermofilm® Heat-Activated Films preserves functionality and security of electronic components.

Come and visit us at Cartes 2009 on **Stand 052 - Hall 3 – Aisle H** to meet our specialists and see Scapa *unique* range of Thermofilm® products.

Thermofilm® is a registered trademark of Scapa Group plc

About Scapa

Scapa is a global leading supplier of technical adhesive tapes and films to major industry such as Automotive, Cable, Building & Construction, Printing & Graphics, Medical, Aerospace and Electronics. We have manufacturing facilities in 12 locations and sales operations in 18 countries. We sell our products in over 100 countries across the globe. We are managed and structured around three principal regions: Europe, North America and Asia. We employ approximately 1,000 staff around the world and our turnover in fiscal year 2008/09 was 174 £M (289 \$M).



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