



who has a unique, complete portfolio of inks
and related products for the plastic card market?
we do with SunCarte™.

working for you.



SunChemical®
a member of the DIC group 

Sun Chemical inks and related products for the laminated plastic card market.

With its unrivalled technical resource and service network, Sun Chemical prides itself on being the premier global supplier to many varied industrial and high tech markets. Characterised by the need for constant innovation and superior service, these markets demand a range of technologies, skills and experience that only Sun Chemical can provide. This diversity and depth of expertise in printing allows ideas and technologies to be leveraged across applications and markets producing unique products and related services.

Sun Chemical supplies a unique, complete range of inks for all print processes used in the manufacture of laminated cards. The SunCarte range features screen inks, offset inks, adhesives and varnishes used in production

of all laminated cards including bank and credit cards, membership cards and ID cards. Bespoke security solutions can also be provided within each range of inks.

- UV curing and conventional screen inks
- UV curing offset inks
- Laminating adhesives
- Complete range of security inks
- Technologies for printed electronics
- Complimentary products

Products for laminated card applications

Brand name	Type	Products	Features	Benefits	Impact	Use examples
SunCarte UV offset	UV curing offset litho inks	Four colour process set, Pantone® blending scheme and bespoke shades made to order	Optimised resin chemistry	Bond strength in excess of required standards	Security and extended card life	All forms of laminated plastic cards, such as credit, debit, loyalty, membership, gift and hotel key cards
			Temperature resistant pigments	Minimal colour change on lamination	Consistent colour reproduction	
			Excellent litho properties	Optimised on press performance	Easy to use and low waste	
			Excellent adhesion to common plastics	Robust prints	Prints not easily damaged during post processing	
Solarsmart	UV curing screen inks and laminating adhesives	SunMatch blending colours, opaque white, standard metallics, bespoke metallics and special effect shades to order, plus screen print and roller coat laminating adhesive	UV curing	Fast print speeds with instant curing and infinite screen stability	Saves time and money	All forms of laminated plastic cards, such as credit, debit, loyalty, membership, gift and hotel key cards
			Optimised resin chemistry	Bond strength in excess of required standards	Security and extended card life	
			Excellent adhesion to common plastics	Robust prints immediately after curing	Prints not easily damaged during post processing	
			Solvent free	No VOC emissions	Environmentally friendly	
Solarsmart ID	UV curing screen inks	Opaque white and clear varnish	Optimised resin chemistry	High degree of bond strength even at high percentage coverage	High degree of delamination resistance	Laminated polycarbonate cards such as ID cards, driving licenses and passports
			Excellent adhesion to polycarbonate	Robust prints immediately after curing	Prints not easily damaged during post processing	
			Super opaque white	Facilitates use of clear and coloured cores	Simple but effective overt security features	
			Non yellowing clear	Used as an adhesive or carrier for security features	Numerous options for overt and covert security features	
CCNT series	Conventional, solvent based screen inks	SunMatch blending colours, opaque white, standard metallics, bespoke metallics and special effect shades to order	Optimised resin chemistry	Bond strength in excess of required standards	Security and extended card life	All forms of laminated plastic cards, such as credit, debit, loyalty, membership, gift and hotel key cards
			Single pack metallic shades	Multiple metallic effects	Easy to use	
			Full mixing system	Strong bright and true colours	Excellent colour match reproduction	
			Combination printing	Fully compatible with offset over and under printing	Design freedom	
Laminelle	Waterbased laminating adhesives	Screen print or roller coat laminating adhesive	Excellent press stability	Consistent filmweight	Fully reproducible lamination bond strength	All forms of laminated plastic cards, such as credit, debit, loyalty, membership, gift and hotel key cards
			Optimised resin chemistry	Bond strength in excess of required standards	Security and extended card life	
			High heat resistance	Non yellowing adhesive	Minimal colour change on lamination	
			Waterbased formulation	Minimal solvent used	Low VOC emissions	

For detailed information please refer to the individual product data sheets or your local Sun Chemical location.

Our products are intended for sale to professional users. The information herein is general information designed to assist customers whether our products are suitable for their application. All recommendations are made without guarantee, since the application and conditions of use are beyond our control. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Sun Chemical be liable for damages of any nature arising out of the use or reliance upon this information. Modifications of the product for reasons of improvements might be made without further notice.



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