



## ADD LAYERS OF SECURITY AND FUNCTIONALITY TO YOUR CARDS

- **Increase durability:** Protect printed images and embedded electronics, extending card life.
- **Enhance security:** Sophisticated holographics enable better visual authentication, and act as barriers to forgery or tampering.
- **Add utility:** Apply magnetic stripe capability to virtually any card; create rewriteable cards for temporary credentials.

ASSA ABLOY Overlay technologies add layers of security and functionality to any card identity system.

When applied to the card surface, durable Overlays ensure print images resist fading, wearing, and tampering. They also provide additional protection for cards with embedded electronics.

One or multiple holographic images may be custom hot-stamped onto overlays, for the production of optically distinctive, more secure cards. Holographic images are highly recognizable, enhancing perceived value and exclusivity for cardholders. However, embedded holograms are difficult for would-be forgers to replicate.

Thermal Rewriteable (TRW) Overlays are an efficient method for issuance of visitor or temporary worker IDs. The TRW surface allows expired credentials to be erased, and new credentials issued on efficient, re-useable card materials. TRW are available for black or blue printing. Magnetic stripe overlays allow variable media positioning and widths, and are available in a broad range of colors. Custom printing on the magnetic stripe is also feasible.

Employing a combination of the above technologies into a custom overlay can produce the ideal level of distinction, security and functionality for your next card program.



**TECHNOLOGY HIGHLIGHTS:**

Choose from a range of laminate materials, including PVC, PC, PE, ABS, modified PET as well as thermo-sensitive materials. Sheets available to fit any standard or custom dimensions.

**APPLICATION AREAS:**

Recommended for all card systems, including corporate, education, banking and government. Overlays also add unique appeal to cashless payment transportation passes and event credentials.

**SPECIFICATIONS**

	Overlays			
	Standard	Hologram embedded	Thermo Rewriteable	Magnetic Stripe
<b>Base Model Number</b>	P/N individual per customization			
<b>PHYSICAL</b>				
<b>Sheet Dimensions</b>	Up to 21 in x 26 in (535 mm x 630 mm)			Up to 27.5 in x 35 in (700 mm x 900 mm)
<b>Units Per Sheet</b>	n/a	Custom	1-10 stripes	
<b>Thickness (depending on Material)</b>	40 µm up to 300 µm	minimum 30 µm	40 µm up to 300 µm	40 to 300 µm
<b>Materials</b>	PVC, PETG, PC, synthetic paper, Teslin®			
<b>CHEMICAL AND MECHANICAL RESISTANCE</b>				
<b>Withstands Exposure To</b>	Acetic acid water, artificial perspiration, carbonated sodium water, ethylene glycol, fuel B, salt mist, salt water, sugared water; humidity 95% at 122° F (50° C) 24 h			
<b>THERMAL</b>				
<b>Storage</b>	72° F (22° C +/- 3°C, 45% to 75% relative humidity for storage, no UV light exposure )			
<b>OTHER</b>				
<b>Options</b>		Transparent, de-metalized, metallic, thread, edge-to-edge	Black or blue font color	Custom color; Printing on magstripe
<b>Warranty</b>	Stored under proper conditions, processability and properties of our products are warranted for a period of 1 year			