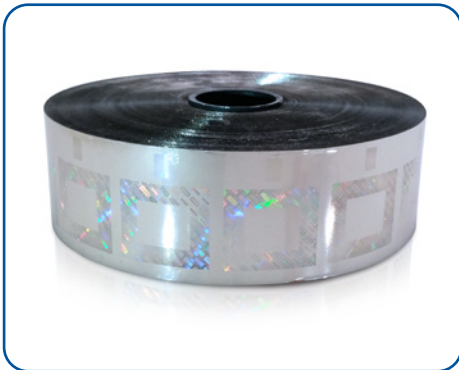


vanGO® Card Manufacturing Materials



FLEXIBLE AND COST-EFFECTIVE METALLIC FOILS CREATE A TAMPER-PROOF SOLUTION

- **Enhance card holder security** – Write a One-2-One™ personalized image of the cardholder on a unique metallic foil patch, hot-stamped on each card.
- **Affordable Tier 1 protection without using special training or tools** – Create a visual security feature that is virtually counterfeit-proof.
- **Improve your current card system** – Incorporate the vanGO metallic foil into any current card personalization project.

TECHNOLOGY HIGHLIGHTS

- Unparalleled visual and physical security with Tier 1 protection (visual authentication), tamper-proof card construction, and strong counterfeit resistance.
- Customization includes ultra-high-resolution artwork with micro images, micro-text and guilloche patterns.
- Ideal for visual credential examination and indispensable for inspection when electronic readers or access to databases are absent.

Secure and trustworthy credentials are of foremost importance in most identity card programs. The physical and visual security provided by each credential depends on a package of features, technologies, data and materials – and how well these elements work together within a solution.

vanGO metallic foils enable card manufacturers to produce cards that work with HID Global's vanGO laser writer to create unique, One-2-One™ personalized images of the card - holder by writing their image directly onto the vanGO patch. By incorporating vanGO during card construction, organizations will benefit from a more tamper-proof solution that resists counterfeiting and meets their standards for design, security, and budget.

vanGO is available with these additional customizations to improve security:

- Ultra high-resolution micro images, micro-text and guilloche patterns.
- Customized vanGO patch (size and dimension) to meet your specific program requirements.
- Designed to be integrated into secure card designs that incorporate a PVC surface.

For card manufacturers looking to incorporate vanGO solutions into their product offerings, HID Global is able to supply vanGO card production materials as a hot stamp foil, manufactured to your specific requirements and backed by the Genuine HID® commitment.

SPECIFICATIONS



vanGO® Card Manufacturing Materials	
Product Reference	vanGO Hotstamp Foil
Description	vanGO media made to be applied to the surface of cards containing a PVC surface using industry-standard, hot stamping techniques
	Once applied to the card the vanGO patch is individually personalized with a vanGO desktop laser writer or HDP8500LW printer module developed and commercialized by HID.
PHYSICAL	
Form Factor	Hot Stamping Foil in roll format
Dimension	Customizable, with limits Typical slitting width: 36mm Typical roll length: 340 meters
Minimum Order Quantity	175 sq. meters of foil, cut into roll format Estimated at 220,000 impressions for an application size of 15 mm x 15 mm
Patch Size	Size, shape and location to customer requirements up-to 25mm x 25mm
TECHNICAL INFORMATION	
Application Method¹	Hot Stamping
Card Material Compatible	PVC surface required
Features Available	Embossed High Resolutions Holograms (program specific) Personalized custom micro images Custom size and form factor (rectangular, square, other upon customer request)
THERMAL & DURABILITY	
Abrasion Test²	Obtain at least 300 cycles before foil break through during INCITS 322 - Taber Abrasion Test
Storage Conditions	Humidity : 40-70% relative humidity Temperature: 50 - 77 F (10° - 25°C) The storage conditions are only valid within the original HID packaging. Shelf life is 6 months.

Note: Cards manufactured with vanGO hot-stamp foils require the use of the HID Global manufactured vanGO desktop laser writer or HDP8500LW module to personalize foils.

¹ Due to variances in equipment, process parameters of manufacturing equipment will have to be tuned to specific customer conditions during the hot stamping step.

² Evaluation made on HID reference card.



hidglobal.com

North America: +1 512 776 9000
Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1670

© 2015 HID Global Corporation/ASSA ABLOY AB. All rights reserved. HID, HID Global, the HID Blue Brick logo, the Chain Design, vanGO and One-2-One are trademarks or registered trademarks of HID Global in the U.S. and/or other countries. All other trademarks, service marks, and product or service names are trademarks or registered trademarks of their respective owners.
2015-11-08-si-fargo-vango-card-manufacturing-ds-en PLT- 02380

An ASSA ABLOY Group brand

ASSA ABLOY