# CARD DURABILITY AND SECURITY SUPPLIES

## Virtual Edge-to-Edge Protection for Secure ID Programs

**Datacard**Group

SECURE ID AND CARD PERSONALIZATION SOLUTIONS

# PROTECT PHOTO ID CARDS WITH VIRTUAL EDGE-TO-EDGE LAMINATES

To protect your facility, you need photo IDs that deliver superior reliability and long-term security. Photo IDs have always had to withstand abrasions, moisture and exposure to chemicals. Today, however, rising numbers of fake and forged cards make security an even bigger concern than ever before.

Virtual edge-to-edge laminates and topcoats from Datacard Group deliver advanced security features to enhance your secure ID program. These innovative overt and covert technologies can be applied completely inline as part of the printing process. Our security laminates also offer the largest CR80-sized patch available today. Plus, virtual edge-to-edge laminates give you a cost-effective way to extend card life and minimize the frequency and cost of re-issuance.

DATACARD® CERTIFIED SUPPLIES ™

# EXTEND CARD LIFE
# WITH CLEAR PROTECTIVE LAMINATES

By adding a clear topcoat or laminate to your photo IDs and plastic cards, you can increase durability and significantly extend card life. Topcoats and laminates help defend cards against harmful chemical reactions from natural oils, cosmetics and cleaning agents. They provide a line of defense against abrasions from magnetic stripe readers, which can impair image quality. They also help prevent damage caused by exposure to moisture.
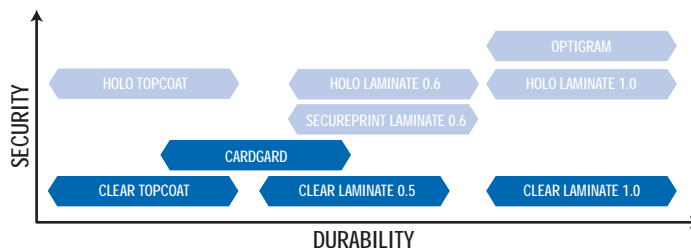
## CLEAR TOPCOAT

This translucent protective layer is applied with edge-to-edge coverage on a card to protect bar codes, signatures, variable text, logos and images from abrasions and chemical reactions. Combining a clear topcoat with a custom hologram is an excellent way to improve card security.

## DATACARD® CARDGARD™ UV-CURABLE TOPCOAT

Datacard® CardGard™ UV-curable topcoats are applied with a patented UV curing process that activates the adhesive and bonds the topcoat to the card. The topcoat is a patented formulation engineered for UV curing. The result is a more durable topcoat with greater elasticity that helps prevent cracking, chipping and reactions with plasticizers. These topcoats are ideal for protecting graphics, photos and embossed cards.

## DATACARD® DURAGARD® CLEAR LAMINATE

Datacard® DuraGard® clear laminates provide the strongest defense against abrasion and chemical attack. The thick polyester patch is formulated to prolong the life of national IDs, driver's licenses and other high-use cards that are expensive to reissue. Available as a 0.5 or 1.0 mil patch.
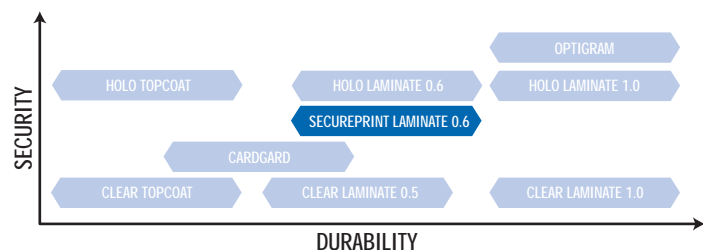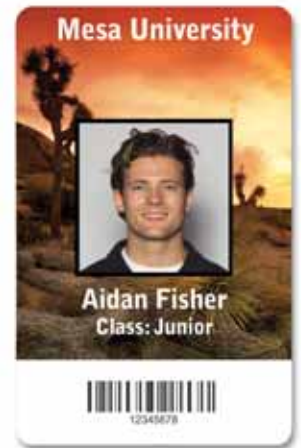
## DATACARD® DURAGARD® SECUREPRINT LAMINATE

For photo ID programs that require additional security as well as lasting durability, we offer the unique Datacard® DuraGard® Secureprint laminate. This virtual edge-to-edge security laminate offers the same strong resistance to the hazards of constant usage and exposure to moisture and chemicals as the DuraGard clear laminate. In addition, it combines a customizable area for logos or text with a standardized holographic image for a uniquely cost-effective approach to enhancing card security.

The left side of the laminate features a high-resolution standard holographic image from Datacard Group. Each image is easily identified under normal light, offering strong protection against forgery and alteration. The laminate is customized on the right side by adding your logo, text or other graphics that are exclusive to your enterprise. These elements are printed in optically variable ink that shifts color under normal light and is visibly enhanced under UV light (black light).

The DuraGard Secureprint laminate offers lower set-up charges and shorter production lead times than other custom laminates, which makes it an ideal solution for photo ID and card issuers looking to minimize cost-per-card. Typical applications include employee badges, school IDs, municipal IDs and other credentials. Available as a 0.6 mil patch.

SECURITY

| | | OPTIGRAM |
| HOLO TOPCOAT | HOLO LAMINATE 0.6 | HOLO LAMINATE 1.0 |
| | SECUREPRINT LAMINATE 0.6 | |
| | CARDGARD | |
| CLEAR TOPCOAT | CLEAR LAMINATE 0.5 | CLEAR LAMINATE 1.0 |

DURABILITY

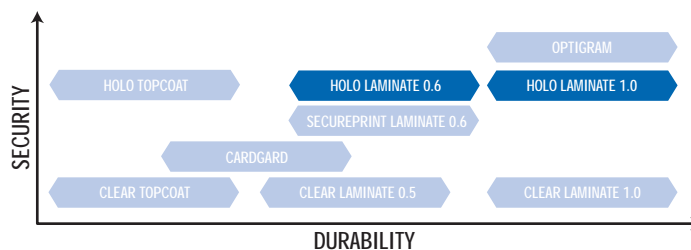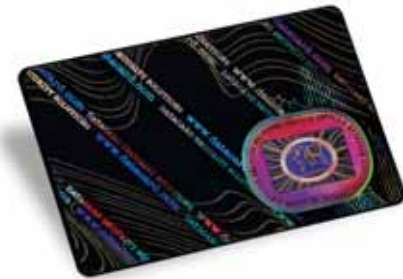# CUSTOMIZABLE HOLOGRAPHIC LAMINATE OFFERS ADVANCED SECURITY

## DATACARD® DURAGARD® HOLOGRAPHIC LAMINATE

The Datacard® DuraGard® holographic laminate provides an even higher level of photo ID security, as well as the same durability and virtual edge-to-edge protection as other DuraGard laminates.

When you choose the DuraGard holographic laminate, the embedded hologram is completely customizable. You can incorporate your unique corporate logo, a state or national flag, or other text and graphics that identify your organization. Regardless of the image you need, it is nearly impossible to alter the card without destroying the hologram. Any attempt at forgery is easily recognized.

For additional security, you can combine the hologram with an optical variable device (OVD). These can include mica ink that shifts colors under normal light, or UV ink that is visible only under UV light. You can also include microtext that can only be seen with magnification.

The DuraGard holographic laminate is ideal for a wide range of applications in business, education, municipal, healthcare and government programs. Available as a 0.6 or 1.0 mil patch.

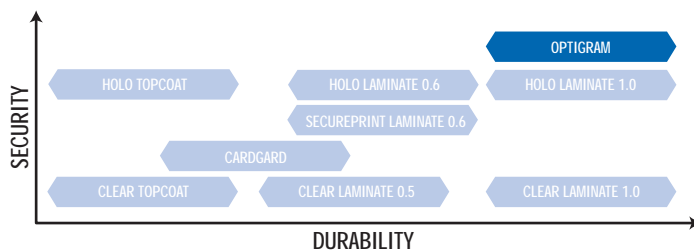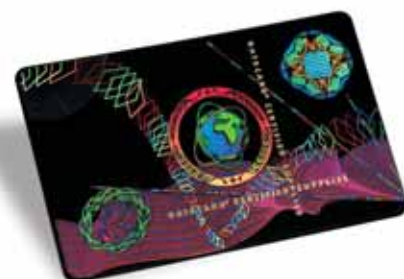# MAXIMIZE PHOTO ID SECURITY
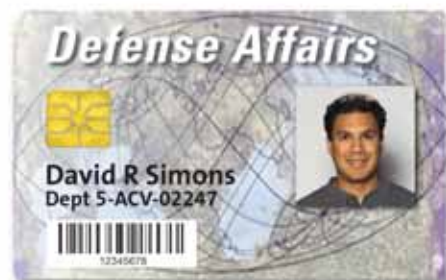# WITH MULTIPLE OVDs



## DATACARD® DURAGARD® OPTIGRAM™ LAMINATE

For the ultimate in photo ID and card protection, choose the Datacard® DuraGard® Optigram™ laminate. This technologically advanced laminate incorporates several highly sophisticated OVDs to establish a new benchmark for maximum card security. Unique OVD elements can include:

• Guilloche pattern. Incredibly detailed, fine line artwork commonly used to ensure authenticity in passports and currency. The custom image, embedded in the laminate, is highly secure and cannot be duplicated without the original artwork.

• Holograms. These fully customized embedded images can be placed randomly or are registered for an additional level of security.

• Laser retrievable covert text. Hidden text remains invisible to the naked eye until exposed to a specific wavelength of laser light.

• SecureText™ microprinting. Surpasses the 1,200 dpi threshold of microprinting, using 3,200 dpi microtext that can only be read using a powerful microscope.

The design of your Optigram laminate can combine any or all of these features — as well as other security elements — depending on your needs. Each OVD element is customized for your program to provide the highest possible level of photo ID security. Of course, this laminate also offers the proven reliability of the DuraGard formulation and virtual edge-to-edge coverage. This ultimate synthesis of long-lasting reliability and high-tech security is an ideal alternative for cards that require maximum security. Available as a 1.0 mil patch.

# TRUST THE EXPERTS IN
# CARD DURABILITY AND SECURITY

To help ensure you make the right decisions for your photo ID or card issuance program, choose technology from Datacard Group. Our organization includes a host of trained specialists in durability and security solutions whose expertise is working hands-on with organizations like yours. With Datacard Group, you can depend on a proven track record in advanced security applications specifically developed to meet unique program needs in a wide range of industries and global markets.

## MAXIMIZE SECURITY WITH
## OVERT AND COVERT TECHNOLOGIES

Secure laminates and topcoats from Datacard Group can be customized with two categories of security features. Combining these features on a single secure ID helps reduce the risk of forgery and fraud.



- **Overt elements** are visible to the naked eye and can be identified without secondary instruments. Examples of overt security features include holograms, guilloche patterns, mica printing and kinetic patterns.



- **Covert elements** are embedded in the laminate and can only be identified with a secondary device (such as a microscope, UV light or laser). Examples of covert elements include microprinting, UV printing and laser retrievable covert text.

# WORLD LEADER IN SECURE ID
# AND CARD PERSONALIZATION SOLUTIONS

Datacard Group offers the world's best-selling secure ID and card personalization solutions. The company's portfolio includes systems for high-volume card issuance, card delivery, secure ID issuance and passport production, plus extensive service and supply offerings. Datacard Group serves customers in more than 120 countries. www.datacard.com

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