Sealys Secure Surface

Authenticity you can see and feel

Sealys Secure Surface is a new family of innovative security features for polycarbonate documents offering **light reflection, movement and tactile elements**. Visually appealing Sealys Secure Surface features can be combined in multiple ways to stay one step ahead of fraud.
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Authenticity you can see and feel

Designed to counter new methods of forgery on existing security features like changeable or multiple laser image (CLI/MLI), Gemalto has expanded its family of innovative polycarbonate security features with three combinable effects: light reflection, movement and tactile elements. Sealys Secure Surface features are built right into the surface of the 100% polycarbonate card or passport datapage and offer:
- Increased security against fraud
- Flexible design options
- Simple verification: by touching, looking or tilting
- Indisputable document authenticity

Enhanced security
As Sealys Secure Surface covers the full document surface, any attempts to alter personal data directly through the surface will destroy features. By enabling strong tactile effects close to photo area and CLI/MLI, Sealys Secure Surface prevents photo substitution done by adding a thin overlay with a photo over the existing one. Brand-new effects with movement and light reflection enhance the security even further, are visually appealing and provide new design dimensions.

Flexibility for design
The Sealys Secure Surface family offers more options for secure document design, as it can combine various effects and complex irregular shapes with other visual security features including guilloche background printing, rainbow printing and microtext. Thanks to high accuracy, very small detailed elements can be incorporated into surface.

Simple to verify
Visual inspection (Level 1) is the first line of document control. In a matter of seconds, trained but not expert level officers can look for specific features and rely on a few distinctive visual effects and immediately recognizable characteristics. Sealys Secure Surface offers visual and tactile effects that can be checked without any special equipment. That means fast, efficient authenticity checks for authorities and security and convenience for the legitimate holder. By merely tilting Sealys Secure Surface documents or touching their surface, it is possible to observe light reflection, changing images and textures.

Indisputably authentic
Sealys Secure Surface helps to ensure the ID document authenticity by countering three main threats - copying, reproduction and tampering with personal data. Features are created during document manufacturing process. They all require specific technology and know-how, and protect both document structure and personal data. They offer the best protection by combining high-quality printing and manufacturing processes with excellent verifiability.
Sealys Secure Surface
The power of a team

**The next generation CLI/MLI**
This next generation CLI/MLI lens can be combined with surface embossing lines, microtext or can even include a separate reflective element. Sealys Secure Surface offers great flexibility in terms of desired shape.

The perceived quality and security of documents also send strong messages to citizens and form a tangible element of trust.

**Tactile effects**
Embedded into the polycarbonate document’s surface, Sealys Secure Surface offers perceptible features such as surface embossing or braille, with unmatched accuracy.
Sealys Secure Surface
Innovation right at your fingertips

Optical elements enabling light-reflective, animated effects are revealed by merely tilting a document in different angles.

- **Light reflection:** When tilted, stars begin to shine brightly and then disappear.

- **Movement:** By tilting the document another star begins to grow and shrink.

- **Latent effect:** Two different images become visible/invisible from two different angles.
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The power of a team

Sealys Secure Surface features can be elegantly combined and applied to all polycarbonate documents such as passport datapages, ID cards, driver’s licenses, and resident permits.

By combining these ingenious options with Sealys Color in Polycarbonate, a remarkable innovation that allows color photographs to be permanently embedded into polycarbonate documents, customers will get a unique combination of graphical, optical and tactile security features.
Gemalto’s background in secure government printing reaches back to 1886. The company’s security printing expertise spans banknotes, postage stamps and identity documents with strong emphasis on anti-counterfeiting innovation. In 1989, we introduced the world’s first polycarbonate identity document—the Finnish driver’s license. Our experts work closely with police and forensic specialists to develop security features and documents. In the public sector, Gemalto provides secure documents, robust identity solutions and services for governments, national printers and integrators. Today, Gemalto actively contributes to more than 25 national eID programs and 30 ePassport initiatives. Our products and solutions are used in more than 80 government programs worldwide. Gemalto is the world leader in digital security with 2015 revenues of €3.1 billion.