SHIELD Volume™

Image-switching high-gloss holographic laminate

Security Level
Levels 1, 2 and 3 depending on selected features.

How does it work?
SHIELD Volume™ delivers a striking monochrome image with high movement and exceptional depth. Designs can incorporate full 3D models that transition in both horizontal and vertical directions. By using specialist techniques, it allows over 100 image frames to be multiplexed onto a single hologram, enabling the recording of moving content, such as animation.

The thin-film laminate is supplied with a range of security features and high-security holographic images which can include full 3D designs, flipping images, lens effect, micro text, and animations. OVI and UV printed features are also available.

After personalising data directly into the book, the laminate is heat-sealed to the page to protect the holder’s details and safeguard from tamper or alteration.

Usage

De La Rue is a leading provider of sophisticated products and services that keep nations, their economies and their populations secure. At the forefront of identity management and security, De La Rue is a trusted partner of governments, central banks and commercial organisations around the globe.

De La Rue is listed on the London Stock Exchange (LON: DLAR).

If you would like to find out more, please email identity@uk.delarue.com or visit www.delarue.com.

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3D Models
The use of Lippmann holography results in a very strong 3D effect showing both depth and movement.

Compass Flash
Compass design feature “flashes” on with extreme brightness when tilted and can be viewed at multiple angles.

Guilloche Orange
Complex addition of a second colour to the Lippmann based hologram in a distinctive security guilloche pattern.

Laser Reconstruction
Ultra-bright feature viewable over wide range of viewing angles.

Hidden Text (DLR)
Hidden text is incorporated into the design at origination and can only be viewed at certain tilts or angles.

Flipping Image
Ship’s Wheel design feature flips on and off when tilted.

Thin film laminate patch with full 3D models viewable under lower light conditions
SHIELD Volume™

Image-switching high-gloss holographic laminate

Classification
Laminates

Security benefits and threats countered
SHIELD Volume™ ensures the security of the bio-data page, protecting the holder’s personal details by making it extremely difficult to achieve any data alteration, laminate lifting, removal, reuse, or replacement of content.

Demonstrated by
The strong monochrome green colour of the laminate is immediately obvious when viewing the sample regardless of the viewing angle. On tilting, additional features become evident and the 3D image appears in both the horizontal and vertical direction.

Additional information
- Fully compliant with the latest ICAO 9303 specification and supplementary EU requirements.
- Compatible with automated and manual personalisation solutions.
- Can be used in combination with a wide range of other security features.

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**Republic of Arcadia**

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