

Unison® Micro-Optic Security Film

Product Information Sheet

October 2007

Product Description

Unison micro-optic security film provides unique overt visual effects with a proprietary non-holographic image projection design. Subject to specific design restrictions, Unison film can be used for brand protection and brand enhancement applications.

The all-polymer multi-layer film contains millions of precision-aligned micro-optic projectors that act in “unison” to create images that not only appear above or below the film surface, but they can actually appear to slide off the film’s edge. Images can appear in the film as:

Unison® Deep™ and SuperDeep™

Images appear to *lie beneath* the surface of the film, ranging from a few millimeters to more than one inch (26 mm) deep.

Unison® Float™ and SuperFloat™

Images appear to *float above* the surface of the film, ranging from a few millimeters to more than one inch (26 mm) high.

Unison® Flicker™

Images appear on the plane of the *film surface* and turn “on and off” when viewed at different angles.

Unison film is highly customizable. One or all of the above effects can be incorporated into one film, the images that appear in the film can be unique, and the film itself can be converted into various label formats.

Construction

Film

1.5 mil (37 microns) polyester film.

Colors

Images in the film are available in custom colors.
The film itself is customizable with various colors.

Adhesive

Film can be supplied with or without adhesive. Adhesives can be tailored for each customer’s application.

Typical Physical Properties and Performance Characteristics

Unison film is a polyester based substrate and will have similar physical properties and environmental performance characteristics as other polyester films.

Printability

Printable with several Brady thermal transfer ribbons for variable printing applications.

Compatible with common label printing methods.

Applications

Prevent fraudulent activities by protecting and authenticating brand.

Enhance brand image with marketing product appeal.

Film can be layered with other technologies:

Indicating – water, chemical, heat

Covert - hidden images, machine-readable taggants

Overt - color-shifting inks, holograms, OVD's

Tamper Evident – footprinting, destructible

Track & Trace - supply chain tracking

Easily converted into labels for auto apply or manual applications.

Flexibility and versatility of film allows for customized applications.

Compliance

Compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

UL testing pending.

For more information on purchasing film or detailed technical test data please contact Brady Brand Protection Solutions at 1-888-311-0775 or www.bradysecurity.com.