

FOIL PRELAM PRODUCT LINE

DEFINITION

Foil Prelam is a patented pre laminate product manufactured by CompoSecure, LLC which utilizes Crown Roll Leaf's foil polyester (PET) material. Utilizing CompoSecure's materials science technology, this foil prelam transforms standard financial transaction cards into an attractive, consistently durable marketing message for your clients.

OPTIONS AVAILABLE

Foil Prelam is a clear PET composite material which is available in sheet form, .010" thick. The following foil options are offered:

- Plain Silver/Plain Silver or Plain Gold/Plain Silver
- Silver Rainbow/Silver Rainbow or Gold Rainbow/Silver Rainbow Holographic
- A Variety of Crown Roll Leaf Patterns (please refer to Crown's Pattern book)
- HRI Transparent Patterns
- Registered Silver or Gold Holograms, stepped up to your specifications. The tolerance for these sheets is +/- 1/32".

PERFORMANCE

One sheet of .010" Foil Prelam is placed in the center of a standard .030" buildup. Clear PVC is printed (.008" with overlay, or .010" clear PVC) and laminated on both sides of the Foil Prelam. Generally, clear PVC is used for the front of the sheet and clear or white PVC is used for the back of the sheet. Due to the fact that the metalized PET layer is in the center of the build-up, there are no PET "potato chipping" flatness problems.

APPLICATIONS

Foil Prelam is ideally suited to create unique financial transaction and gift cards. Since Foil Prelams are placed in the center of a .030" sheet, when clear material is utilized on both sides, unique graphic and security effects can be achieved for identification products such as driver's licenses and national ID cards.

ECONOMICS/PRICING

While the purchase price of Foil Prelam is comparable to other foil based polyesters, the real savings occurs with its ease of use. Rather than print directly onto the Foil Prelam, the printing should be done on top of lower cost PVC material, thereby reducing total waste dollars significantly. The application of the Foil Prelam is not implemented until the Lamination step; therefore none is wasted during the Printing process.

REGISTERED HOLOGRAM PRELAMs

Origination fees are to be paid directly to Crown Roll Leaf (Contact: Jamie Kipp, Phone-973.742.4000).

During the product planning period, this should be coordinated with CompoSecure.

MORE INFORMATION

Minimum foil runs of 10,000 linear feet apply for special foil patterns. Custom Foil Prelam thicknesses and compositions are available, please contact CompoSecure to discuss options.

FOIL PRELAM SPECIFICATION SHEET (HOLOGRAMS AND DIFFRACTION FOIL)

Material

Usage Intent:

To create premium quality, highly durable plastic cards (primarily used for financial, gift and I.D. applications) that will surpass high humidity and stress crack environmental testing far better than any commercially available product.

Composition:

Metalized oriented Polyester with special coatings and adhesive designed to platen laminate to PVC. This product must be substituted for the PVC center layer of the final card construction. It is designed to withstand embossing, ATM use and the foil is protected from abrasion as it is inside the lamination.

Thickness:

Currently .010”+ or – 10% is available, but custom thicknesses are available on request.

Form Factor:

Sheets are available. Sheet tolerances are + or – 1/16” on diagonals. Register of sheet edge to the holographic image is + or – 1/32”.

Lamination/Platen

Temperature:

Optimally laminates at the same temperature as standard PVC.

Diecutting:

Cuts on very close tolerance (0.1 thousandth Clearance) PVC dies. Some angel-hairing may occur.

Storage

Recommendations: Store in original containers in a cool, dry warehouse.

Specific Gravity: 1.45 ± 5%

Please contact CompoSecure for further information and availability.