



Evolution of Transparent Windows in Guardian®

A cornerstone security feature provided by polymer is the window; indeed the idea of a window has proved so successful that cotton-based substrates have now adopted the idea.

In *Guardian*® the window feature has evolved from simple designs to highly integrated compositions containing multiple, high-level security features which convey dual-side recognition, synergy of security and arresting aesthetic designs, says Securrency. These features provide a very high level of counterfeit resistance yet do not impair *Guardian*'s durability, and it is for this combination, high security and long life, that banks are now moving to *Guardian* substrate for their higher denominations and whole series.

Guardian has been available for some 23 years, so why this trend now? Securrency sees two main reasons. First, the banknote industry is conservative so it has taken time to gain acceptance. And second, through developing integrated window features for over 100 denominations, the product has greatly improved. Now, the company is making a significant investment in R&D to develop features which will further enhance the use of windows.

Windows in *Guardian* have become larger and contain high security through the synergy between such features as *G-switch*®, *GOLDswitch*®, *WinBOSS*® transitory embossing, *WinVU*® vignettes and more. Following the launch in 2010 of *LATITUDE*™, diffractive foil stripes can now be applied to windows traversing the entire height of *Guardian* - a first for any banknote. The new Canadian \$100 banknote will have this feature with a *Kinegram Zero.Zero*® image together with a *WinDOE*® transmission hologram.

A corn in the commemorative Mexico 100 Pesos comprising WinTHRU® window, WinVU® vignette, three G-switch® features with WinBOSS® embossing and an integrated shadow image of a corn field.

