



## SOLID™ - ULTIMATE PROTECTION FOR PC ID DOCUMENTS

Around 440 BC, Phidias, the pre-eminent Greek sculptor of the time, designed and built a colossal bronze statue on the Acropolis of Athens. It portrayed Athena Promachos - 'first in battle' - the indomitable protectress of the city against its foes.

We chose the image of Athena Promachos as a symbol of **SOLID™** - our pioneering security solution that provides the ultimate protection for modern ID documents. Featured alongside the guardian goddess is an Athenian tetradrachm coin with the image of an owl, her sacred bird. The owl epitomises wisdom and the sharp mind. For us, it is emblematic of the technical knowledge, creativity and effort that gave life to **SOLID™** - a solution ensuring reliable, unrivalled protection.

**SOLID™** is a full-face security feature layer for polycarbonate ID documents, which combines overt diffractive imagery with ultra-high resolution optical nanostructures. It is designed to be integrated as the second layer into the construction of PC cards or PC passport datapages, providing maximum tamper resistance, chemical and mechanical durability and inter-layer adhesion combined with a very high level of optical security all over the document surface.

To maximise the visual impact of its imagery, **SOLID™** uses a selectively removed HRI (High Refractive Index) reflective coating, optionally combined with selectively demetallised aluminium to provide an additional barrier to counterfeiting and tampering.

The most prominent overt features of the diffractive image on the sample card include a volume (bas-relief) feature (Athena and the coin) and our FLO-MO™ dual-parallax feature - sets of characters at optical depth moving simultaneously at right angles when tilted. For those of an inquisitive mind, the image includes microtexts and forensic microimagery. These are a mere glimpse of the range of security features that **SOLID™** can offer.

**SOLID™** is truly unique, combining superb public authentication functionality with advanced covert and forensic features. With its ease of incorporation into the various card and page constructions and superior interlayer adhesion, it offers an unbeatable combination of security, durability and tamper-resistance.

Be wise like Athena's owl - choose **SOLID™**.

