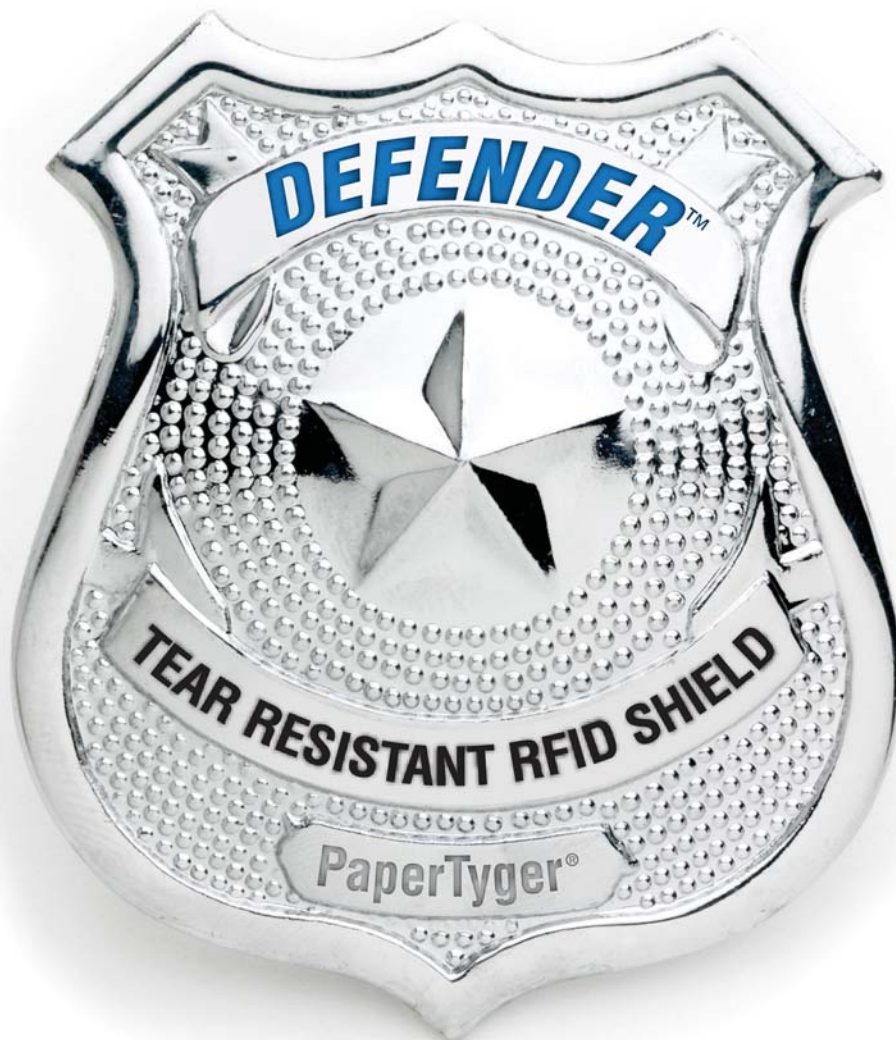


Shield yourself from identity theft with PaperTyger® Defender™.

Protect yourself from tears, water and now, RFID readers.

Defender protects against unauthorized RF readers with a revolutionary new multi-ply laminate containing a security barrier that provides powerful RFID shielding. These days, more and more personal information is stored and transmitted via 13.56MHz contactless smart cards and EPC UHF Gen 2 ID cards. Identity thieves with RFID readers can easily access a wide range of valuable data sent through ordinary mail, on everything from payment cards and driver's licenses to PASS cards and PIV credentials.



Safe. Secure. And simple to use.

The unique conductive layer of Defender products provides a secure barrier at 13.56MHz and 860-980MHz by limiting the flow of RF energy between the reader and the smart card or other RFID device. But don't take our word for it. Testing by four independent laboratories proves that Defender provides effective shielding at various HF and UHF frequencies.

Defender products offer a wide range of other features and benefits, including:

FIPS-201 approval.

Faster, easier compliance with current Federal Government legislation, including the Western Hemisphere Travel Initiative (WHTI), the Real ID Act and the Homeland Security Presidential Directive (HSPD).

Easily fabricated into envelopes, sleeves, inserts or labels that are used to mail or contain RFID contactless smart cards and Gen 2 credentials.

Consistent results. The same light weight, water-resistance, durability and superior printing and converting benefits of traditional PaperTyger products.

Defender Ultra. When long-term durability is needed, turn to the heavier weight Defender Ultra.

Activation labels. Available as a protector for credit cards during shipment.

RFID-Shielding Tear-Resistant

Standard product specifications for Defender:

- Weight: 32 lb. on basis weight 17" x 22"
- Caliper/Bulk: 4.2
- Yield 5710 in²/lb

Patented and patent pending.

Shielding effectiveness of DEFENDER™

at 13.56MHz:

RF Attenuation	Result
dB	43
linear	141.25:1

In UHF Range:

RF Attenuation in MHz (dB)	Result
860	49
870	40
880	49
890	51
900	45
910	57
920	47
930	44
940	49
950	52
960	53
970	47
980	61

Method IEEE 299