
















DocuCheck® Impede™ Security Feature		Lower-level Security Paper Risk	HOW IMPEDE™ PREVENTS / DETERS / PROVIDES:			
			Forgery (Alteration)	Counterfeiting (Duplication)	Authenticity Verification	
	<p><b>LineMark™</b> (Overt/obvious)</p> <ul style="list-style-type: none"> <li>Patented papermachine marking system.</li> <li>Alteration of paper fibers creates the appearance of lines in the paper.</li> <li>Lines optically change from light to dark depending upon the reflected light (set on table top) or transmitted light (held up to the light).</li> </ul>	<ul style="list-style-type: none"> <li>Some lower-level security papers use “ghosted” images or “artificial watermarks.”</li> <li>These are visible only when viewed at specific angles.</li> <li>Once effective, these features are now easily duplicated by counterfeiters using printing techniques.</li> </ul> 		<ul style="list-style-type: none"> <li>LineMark™ serves as an anti-clip feature – if a section of paper is shaved from one area and pasted onto another, the mismatched line pattern is easily detectable.</li> </ul>	<ul style="list-style-type: none"> <li>If scanned or photocopied, LineMark™ lines do not optically change from light to dark.</li> <li>Criminals cannot create this feature in copies or duplicates.</li> </ul>	<p>Checked with normal lighting</p> <ul style="list-style-type: none"> <li>Presence of LineMark™ lines verifies authenticity.</li> <li>Absence of LineMark™ lines signals a fake.</li> </ul>
<p>High Polarity Solvents</p>  <p>Low Polarity Solvents</p>  <p>Oxidants/Bleaches</p> 	<p><b>Chemical-Reactant Stains</b> (Cover/hidden)</p> <ul style="list-style-type: none"> <li>Permanent stains develop on front and back when any of more than 50 chemicals contact the paper.</li> <li>Fugitive Color: When bleach contacts the paper, the color on the back disappears (solid brown stain appears on the front).</li> </ul> 	<ul style="list-style-type: none"> <li>Some lower-level security papers feature a “multi-language void” stain.</li> <li>When bleached, the word “void” appears in several languages.</li> <li>However, only part of the word itself appears (not the entire background, as it does with Impede™).</li> <li>So when only small areas are bleached, the stain is not easily detected.</li> </ul> 	<p>Multi-Language Void Bleach Stain</p>  <p>Impede™ Void Bleach Stain</p> 	<ul style="list-style-type: none"> <li>Chemical-Reactant Stains serve as easily recognizable signs of attempted alteration.</li> <li>Fugitive Color on back further reveals attempted bleach alterations.</li> </ul> 	<ul style="list-style-type: none"> <li>Criminals cannot create these features in copies or duplicates.</li> </ul>	<p>Apply chemicals to paper</p> <ul style="list-style-type: none"> <li>Presence of stains or fugitive color verifies authenticity.</li> <li>Absence of stains or fugitive color signals a fake.</li> </ul>
	<p><b>Impede™ TonerFuse® Coating</b> (Covert/hidden) (On all 25# Impede™ products)</p> <p>1. Fuses toner 2. Delaminates</p> <ul style="list-style-type: none"> <li>Causes toner to fuse into paper making removal very difficult.</li> <li>Paper visibly delaminates when toner is removed with tape or by scraping.</li> </ul>	<ul style="list-style-type: none"> <li>Lower-level security paper “toner hold” features fail to show recognizable evidence of attempted alteration (delamination/abrasions) from scraping and tape pulls.</li> </ul> 	<p>Standardized Tape Pull Test</p> 	<ul style="list-style-type: none"> <li>Impede™ TonerFuse® shows easily recognizable evidence of attempted alteration (delamination/abrasions) from scraping and tape pulls.</li> </ul>		
	<p><b>Invisible Fluorescent Fibers</b> (Covert/hidden)</p> <ul style="list-style-type: none"> <li>Randomly embedded blue and green fluorescent fibers.</li> <li>Invisible in normal light, glow under blacklight.</li> </ul>			<ul style="list-style-type: none"> <li>Fibers cannot be photocopied or scanned.</li> <li>Criminals cannot create this feature in copies or duplicates.</li> </ul>	<p>Checked with a blacklight source</p> <ul style="list-style-type: none"> <li>Presence of fibers verifies authenticity.</li> <li>Absence of fibers signals a fake.</li> </ul>	