

.020"/.5mm

2.5"/63.5mm

75°

STRAIGHTPOINT™

DOCTOR BLADES



ZENITH CUTTER CO.®

DOCTOR BLADES

StraightPoint™ Doctor Blades outlast steel by up to four times; longer blade life means fewer blade changes, less downtime and increased productivity.

StraightPoint™ Doctor Blades are an economical and practical substitute for steel for applications such as wide-web, mid-web, narrow-web, corrugated, envelope, offset, specialty coating, and newspaper. StraightPoint™ blades are manufactured from various plastic and composite materials and engineered to an infinite number of size and profile combinations according to performance requirements. StraightPoint™ blades have outperformed their steel counterparts in high speed, high temperature and high abrasion applications, and for the highest quality graphic reproduction.

- DELIVER A CONSISTENT INK OR COATING FILM THICKNESS
- INCREASE BLADE LIFE AND DECREASE BLADE CHANGES
- REDUCE ANILOX SCORING AND EXTEND ROLL LIFE
- MINIMIZE INJURIES WHEN REPLACING BLADES ON PRESS
- METER ALL TYPES OF INKS AND COATINGS FROM ANILOX ROLLS

PROFILE OPTIONS:



BEVELED

Provides the finest contact area for jobs with moderate to difficult graphic requirements.



STRAIGHT

Provides extended blade life for jobs with simple graphic requirements.



DACC (Lamella)





Provides a consistent contact area as the tip wears for custom applications.

ACETAL	ACETAL	UHMW
PLASTEEL	PROFLEX	UHMW
<p>The original acetal doctor blade developed to reduce anilox scoring and increase blade life. Plasteel is ideal for moderate graphics, solids, moderate type and reverses.</p> <p>Thickness .020" / .5mm .030" / .8mm .040" / 1mm .050" / 1.25mm</p> <p>Max. Length 250' / 75m</p> <p>Max. Width 3.5" / 89mm</p> <p>Profile 22° / 15°</p> <p>Applications Coating & Laminating Wide Web Envelope Corrugated</p>	<p>An enhanced formulation acetal doctor blade with Teflon for increased stiffness and superior blade life. Proflex is ideal for long runs, abrasive inks, moderate to high line screens, and difficult fine type and reverses.</p> <p>Thickness .025" / .64mm .035" / .9mm .040" / 1mm</p> <p>Max. Length 250' / 75m</p> <p>Max. Width 2.375" / 60.3mm</p> <p>Profile 22° / 15°</p> <p>Applications Wide Web Narrow Web Corrugated Envelope</p>	<p>The original ultra high molecular weight polyethylene doctor blade developed for reduced scoring and extended life. UHMW is most often used in corrugated and envelope pressrooms as both a metering and containment blade.</p> <p>Thickness .020" / .5mm .070" / 1.8mm .030" / .8mm .080" / 2mm .040" / 1mm .090" / 2.3mm .050" / 1.25mm .100" / 2.54mm .063" / 1.6mm .125" / 3.2mm</p> <p>Max. Length 100' / 30m</p> <p>Max. Width 5" / 127mm</p> <p>Profile 45° / 30°, Straight, DACC (Lamella)</p> <p>Applications Corrugated Envelope Newspaper Coating & Laminating</p>



STRAIGHTPOINT™

ACETAL	UHMW	COMPOSITE	POLYESTER
PLASTEEL - PROFLEX	UHMW - DURAPoint	ULTRAFLEX - GRAPHIX	POLYESTER
This durable, stiff plastic has great chemical resistance, good dimensional stability and a low coefficient of friction. These properties in combination produce a doctor blade that is a good choice for quality, consistency and excellent blade life.	This is an ideal material for printing environments that combine long runs, coarse rolls and abrasive coatings. This soft, thick material is safe to handle and highly resistant to stress cracks and chips. The dense molecular structure of UHMW makes it very abrasion-resistant resulting in extremely long blade life.	Our composite doctor blades are manufactured from a tight weave fiberglass material that is extremely stiff, thin and durable. These blades are an excellent choice when the ink or coating is abrasive, moisture is present and/or extreme heat or high press speeds exist.	Our polyester blades are made from Mylar™, a durable material that is highly resistant to chemicals and provides superior blade life.

UHMW	COMPOSITE	COMPOSITE	POLYESTER
			
DURAPoint	ULTRAFLEX	GRAPHIX	POLYESTER
<p>An exclusive high density formulation UHMW for superior blade life and enhanced graphics. DuraPoint is most often used in corrugated and envelope pressrooms as both a metering and containment blade.</p> <p>Thickness .030" / .8mm .070" / 1.8mm .040" / 1mm .080" / 2mm .050" / 1.25mm .090" / 2.3mm .063" / 1.6mm .100" / 2.54mm .125" / 3.2mm</p> <p>Max. Length 100' / 30m</p> <p>Max. Width 5" / 127mm</p> <p>Profile 45° / 30°, Straight, DACC (Lamella)</p> <p>Applications Corrugated Envelope Newspaper Coating & Laminating</p>	<p>A high density fiberglass composite doctor blade with a thin weave for added stiffness, increased rigidity and extended blade life. UltraFlex is ideal for long runs, high speeds, flexo process work and complex offset spot-coating applications where a fine bevel allows for more precise metering.</p> <p>Thickness .015" / .37mm .020" / .5mm</p> <p>Max. Length 92" / 2337mm</p> <p>Max. Width 2.5" / 63.5mm</p> <p>Profile 22° / 15° / 10°</p> <p>Applications Wide Web Narrow Web Envelope Sheetfed Offset Coating</p>	<p>Fiberglass composite doctor blade with graphite for extended blade life and durability. Graphix is ideal for screen and process work, abrasive inks and long runs.</p> <p>Thickness .020" / .5mm .028" / .71mm</p> <p>Max. Length 118" / 2998mm</p> <p>Max. Width 2.5" / 63.5mm</p> <p>Profile 22° / 15°</p> <p>Applications Corrugated Newspaper Wide Web</p>	<p>A durable, long-life blade designed to replace steel and reduce anilox scoring in chambered doctor blade systems. Polyester's durability makes it a good value option for containment.</p> <p>Thickness .007" / .19mm .010" / .25mm .015" / .37mm .020" / .5mm</p> <p>Max. Length 330' / 100m</p> <p>Max. Width 4" / 101.6mm</p> <p>Profile 15° / Straight</p> <p>Applications Wide Web Envelope Sheetfed Offset Coating</p>

The above recommendations are general guidelines. Many of our products will work in a variety of applications.



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