

# Essco Doctor Blade Applications

MACHINE SECTION	RECOMMENDED BLADES/REMARKS	ANGLE/LOAD PRESSURE
<b>FORMING SECTION</b>	<b>Fiberglass</b> /Excellent blade life and roll cleaning performance. <b>Poly</b> /Used on soft rolls. Normally good life due to water. <b>Micarta</b> /Economical. May remove stickies better than poly.	20°/0.5 pli
<b>PRESS</b>	<b>GRANITE/SYNTHETICS/CERAMIC</b> <b>Fiberglass</b> /Improved wear resistance over metal blades and mild polishing. <b>Carbon Fiber</b> /Best performance for enhanced blade and roll life. <b>Stainless</b> /Less commonly used in recent years. <b>Abrasive</b> /For trailing blade to maintain porosity.	25-30°/1-2 pli
	<b>SOFT ROLLS</b> <b>Polyethylene</b> /Over 10-15 P&J rubber and polyurethane rolls. Good when lubricated. <b>Micarta</b> /Usually 1/4" thick on soft rubber rolls. Not recommended on polyurethane.	20°/0.5 pli
<b>DRYERS</b>	<b>Fiberglass</b> /Improved blade life. Reduced roll scoring over metal blades. <b>Carbon Fiber</b> /Longest wearing. High flex resistance. Excellent cleaning. <b>Metal</b> /Steel, stainless and bronze. <b>Abrasive</b> /For periodic build-up removal. Only on oscillating doctors.	30°/1-2 pli
<b>CALENDERS</b>	<b>Fiberglass</b> /Excellent cleaning. Improved blade and roll life. <b>Carbon Fiber</b> /Maximum blade life. Recommend oscillation. <b>Metal</b> /Steel, stainless or bronze. <b>Micarta</b> /Several grades available, including Spec 277. Inexpensive, but shorter life. Less efficient.	30°/1-2 pli
<b>REELS</b>	<b>Fiberglass</b> /Longer life than metal blades. Reduced roll scoring. <b>Carbon Fiber</b> /Greatest blade life. <b>Metal</b> /Steel and bronze commonly used.	30°/1-2 pli
<b>OTHER APPLICATIONS</b>	Contact Essco to discuss special situations (creping, printing, converting and non-paper related).	Varies

Consult with your Essco representative to determine the best material for your particular application.

## Hold on to excellence

Essco offers numerous, highly reliable blade holders, with a model suitable for any application. Whether your setup calls for the rigid styling and versatility of a KF holder, the even blade pressure of the ETUniform™ or a unique specialty design, we can assure you we have precisely the blade and holder configuration for a job well done.



1991 Larsen Road  
 P.O. Box 10297  
 Green Bay, WI USA 54307-0297

PH: 920.494.3480  
 800.835.7134  
 FX: 920.494.3483

email: [sales@esscoincorporated.com](mailto:sales@esscoincorporated.com)  
[www.esscoincorporated.com](http://www.esscoincorporated.com)

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