

Suggested Cut Settings for Various Materials on KNK Zing Orbit

IMPORTANT: These settings should be used for the initial test cut. Adjustments may be necessary based on the condition of the blade, variations in the material, humidity, condition of the cutting mat, blade tip height, etc.

ALSO IMPORTANT: Do not use a Blade Tip Height greater than 10 with a blue capped blade. It is very fragile!

Material Type	Material Brand/Source	Blade	Multi-Cut	Pressure	Speed	Blade Height	Other Comments
Acetate	5 mil (0.13mm)	R	1	45	15	15	
Acetate	Apollo Inkjet Transparency Film (0.13mm)	R	1	60	15	15	Alt: 2 passes at Pressure = 40
Candle Wax	Rayher: 0.025" (0.6 mm)	B	1	20	10	10	Alt: Paper side up, Pressure 30
Candle Wax	Stockmar: 0.05" (1.2 mm)	B	1	25	10	10	
Cardstock	AC Textured 216gsm, 80lb cover	R	1	60	15	15	Alt: 2 passes at Pressure = 50
Cardstock	Bazzill Linen	R	1	55	15	15	
Cardstock	Carolina C2S Digital 144lb (234gsm)	R	1	75	15	15	
Cardstock	Darice Core'dinations Premium (65lb)	R	1	45	15	15	
Cardstock	Georgia Pacific, 110lb index (199gsm)	R	1	55	15	15	Alt: 2 passes at Pressure = 45
Cardstock	Graphic 45 (0.22mm)	R	1	50	15	15	6x6 Cardstock Pad
Cardstock	Neenah Astrobrights 176gsm	R	1	50	15	15	
Cardstock	Neenah Pastel 176gsm (65lb)	R	1	50	15	15	Alt: 2 passes at Pressure = 40
Cardstock	Recollections 176gsm (65lb)	R	1	50	15	15	
Cardstock	Recollections 176gsm (65lb) Kraft	R	1	55	15	15	
Cardstock	Wassau 176gsm (65 lb)	R	1	50	15	15	Alt: 2 passes at Pressure = 40
Cardstock	Worldwin Colormats (65 lb)	R	1	50	15	15	Alt: 2 passes at Pressure = 40
Cardstock	Worldwin Cutmates	R	1	50	15	15	Alt: 2 passes at Pressure = 40
Cardstock	Worldwin Smooth & Silky	R	1	70	15	15	Alt: 2 passes at Pressure = 60

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Chipboard	0.022" (0.5 mm)	R	2	100	10	15	Brayer well and tape edges
Chipboard	Cereal box 0.018" (0.4 mm)	R	2	100	10	15	Brayer well and tape edges
Chipboard	KNKUSA 0.03" (0.76mm)	B	2	120	10	10	Brayer well and tape edges
Chipboard	Silhouette .015" (.38mm)	R	1	80	10	10	
Construction Paper	Creatology - pink	R	1	30	13	15	
Construction Paper	Pacon Tru-Ray - black	R	1	35	13	15	Alt: 2 passes at Pressure = 30
Craft Plastic	0.02" PET-G with blue protection sheets	B	2	130	8	10	Paper layer peeled off. Corners taped to mat
Craft Plastic	Dick Blick; 0.015" (0.38mm)	B	2	110	8	10	Paper layer peeled off. Corners taped to mat
Double Sided Adhesive	Sookwang	R	1	60	15	15	
Fabric - Cork	embroiderygarden.com	Y	2	50	10	10	Used an extra sticky mat
Fabric - Cotton Batik	with Lite Steam-A-Seam 2	Y	1	65	10	15	Steam-a-Seam2 fused to wrong side, paper removed and sticky side pressed down to mat
Fabric - Cotton Flannel	with Lite Steam-A-Seam 2	Y	2	75	10	15	Steam-a-Seam2 fused to wrong side, paper removed and sticky side pressed down to mat
Fabric - Denim	with Heat n Bond applied	Y	3	115	13	15	Left paper layer on.
Fabric - Quilting Cotton	with Heat n Bond applied	Y	2	65	13	15	
Fabric - Quilting Cotton	with Lite Steam-A-Seam 2	Y	1	80	10	15	Alt: 2 Passes at Pressure = 70; Steam-a-Seam2 fused to wrong side, paper removed and sticky side pressed down to mat
Foam (Fun Foam)	Michael's 0.07" (1.8mm)	B	2	20	12	10	
HTV	refer to Vinyl - Heat Transfer						
Label Sheets: water resistant	Creative Label Concepts	R	1	35	15	15	The pressure is for kiss cutting the labels.
Leather	0.02" Bookbinding quality	R	2	75	13	15	
Leather	~ 0.06"	B	2	100	9	10	
Magnet	0.035" (0.9mm)	B	2	120	10	10	Tape magnet to a sticky mat; may need slower speed for accurate shapes

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Magnet	Cricut Printable Magnet Sheets (.25mm)	R	1	50	15	15	
Magnet	KNK USA - Printable Magnet Sheets-15 mil (0.4mm)	R	1	70	15	15	Alt: 2 passes at Pressure = 50
Mylar	5 mil (0.12mm)	R	1	50	15	15	
Mylar	KNK USA - 10 mil (0.25mm)	R	2	100	10	15	Extra sticky mat; tape corners
Mylar	KNK USA - 7 mil (0.18mm)	R	1	65	15	15	
Paper - Copy Paper	HP Everyday 20lb (75gsm)	R	1	35	15	15	
Paper - Watercolor	Canson 140lb (300g) Cold Press	R	1	100	15	15	
Photo Paper	HP Glossy	R	1	80	15	15	Alt: 2 passes at Pressure = 65
Photo Paper	Royal Brites Matte White - 200 gsm	R	1	70	15	15	Alt: 2 passes at Pressure = 55
Poster Board	Grocery store 0.013" (0.33mm)	R	1	70	12	15	Alt: 2 passes at Pressure = 60
Rhinestone Flock	KNK USA (Rock-It)	R	2	55	15	15	Backing peeled and sticky side pressed to mat
Rhinestone Flock	Sticky Flock	R	2	45	15	15	Backing peeled and sticky side pressed to mat
Rhinestone Rubber	KNK USA (green Hartco)	R	2	60	15	15	Backing peeled and sticky side pressed to mat
Shrink Film	Grafix clear	R	2	80	12	15	
Shrink Film	Grafix Ink Jet white	R	2	120	12	15	
Shrinky Dink	Bright White	R	1	125	12	15	
Shrinky Dink	Frosted Ruff N' Ready	R	1	125	12	15	
Shrinky Dink	Printable Ink Jet white	R	1	125	12	15	
Stencil Blanks (also see Mylar)	Show-Offs 15 mil from Hobby Lobby	R	3	120	10	15	Place side with protection sheet down; tape corners
Styrene	ASI .02" (.47mm)	R	2	120	15	15	
Styrene	Evergreen .02" (.47mm)	R	3	155	10	15	
Styrene	Plastruct .01" (.25mm)	R	1	90	15	15	Alt: 2 passes at Pressure = 65

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Vinyl - Heat Transfer	Cricut Glitter Iron On - White	R	1	30	15	15	Cut on mat
Vinyl - Heat Transfer	Easy Weed - white, navy	R	1	40	12	15	Cut on mat
Vinyl - Heat Transfer	GlitterFlex Ultra - Black	R	1	50	15	15	Cut on mat
Vinyl - Permanent	Expressions Vinyl 51 Series - Black	R	1	20	15	15	Cut on mat
Vinyl - Wall (no mat)	Vinyl - Oracal 631 - yellow	R	1	20	15	15	Not using a mat: note lower Blade Height
Vinyl - Wall (no mat)	Vinyl - Oracal 631 - yellow	R	1	25	15	15	Not using a mat
Vinyl - Wall (on mat)	Vinyl - Oracal 631 - yellow	R	1	20	15	15	Cut with vinyl on the mat
Wood Veneer	0.015" (0.4mm) from cardsofwood.com	B	2	100	10	10	Taped to mat; tested both oak and walnut