

## KNK Zing/Zing Air - Suggested Cut Settings

**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.

| Material Type | Material Brand or Source                 | Blade | Force   | Speed (Cut/Up) |          | # of Passes | Blade Ht* | Other Comments   |
|---------------|--|-------|---------|----------------|----------|-------------|-----------|--|
|               |  |       |         | Zing           | Zing Air |             |           |  |
| Acetate       | Grafix - 0.005"                          | Red   | 60      | 10/10          | 15/15    | 1           | 25        |  |
| Aluminum      | Lipton Tea can                           | Red   | 130-140 | 8/10           | 9/15     | 1           | 13        | Flatten with a brayer and tape to mat (all the way around)   |
| Balsa         | 1/16" from Michael's                     | Blue  | 80-90   | 8/10           | 9/15     | 2           | 6         | Tape to mat; avoid thin parts; splinters easily; use 6 Post It notes for ht; may want to decrease offset |
| Balsa         | 1/32" from Michael's                     | Blue  | 80-90   | 8/10           | 9/15     | 2           | 6         | Tape to mat; may want to decrease offset   |
| Basswood      | 1/16" from Hobby Lobby                   | Blue  | 160     | 8/10           | 9/15     | 6           | 13        | Use 13 Post It Notes for blade tip height; tape to mat   |
| Candle Wax    | Stockmar wax sheets - 0.05"              | Blue  | 5       | 9/10           | 11/15    | 1           | 25        | Avoid having wheels over wax, placed wax in freezer for a few minutes after cutting and before weeding   |
| Cardstock     | American Crafts - 80 lb (218g)- Textured | Red   | 75-95   | 10/10          | 15/15    | 1           | 25        |  |
| Cardstock     | Bazzill - Basics                         | Red   | 75-95   | 10/10          | 15/15    | 1           | 25        |  |
| Cardstock     | Bazzill - Card Shoppe                    | Red   | 120-140 | 10/10          | 15/15    | 1           | 25        | or Force of 100 and 2 passes   |
| Cardstock     | Bazzill - Prismatics                     | Red   | 40-60   | 10/10          | 15/15    | 1           | 25        | Very sensitive to blade length and excess force  |
| Cardstock     | Bazzill - Swiss Dots                     | Red   | 85-105  | 10/10          | 15/15    | 1           | 25        |  |
| Cardstock     | Bazzill - Two Scoops Paper               | Red   | 80-100  | 9/10           | 11/15    | 1 or 2      | 25        | Use 2 passes on complex shapes   |
| Cardstock     | Bazzill - various textures               | Red   | 70-95   | 10/10          | 15/15    | 1 or 2      | 25        | Can vary greatly based on texture and color  |
| Cardstock     | DCWV - Textured Brights                  | Red   | 65-85   | 10/10          | 15/15    | 1           | 25        | Varies with color  |
| Cardstock     | Doodlebug - Chenille texture             | Red   | 95-110  | 9/10           | 11/15    | 2           | 25        |  |
| Cardstock     | Doodlebug - Crushed Velvet texture       | Red   | 80-100  | 9/10           | 11/15    | 2           | 25        | Facedown on mat; mirror shapes before cutting  |
| Cardstock     | Georgia Pacific 110 lb (298g) white      | Red   | 65-85   | 10/10          | 15/15    | 1           | 25        |  |
| Cardstock     | Hammermill - Cover                       | Red   | 50-70   | 10/10          | 15/15    | 1           | 25        | Doesn't cut as clean as others   |
| Cardstock     | Neenah - 110 lb (298g) white             | Red   | 100-120 | 10/10          | 15/15    | 2           | 25        | or Force of 140 and 1 pass   |
| Cardstock     | Neenah - 80 lb (218g) white              | Red   | 50-70   | 10/10          | 15/15    | 1           | 25        |  |
| Cardstock     | Paper Studio - smooth finish             | Red   | 70-90   | 10/10          | 15/15    | 1           | 25        | Tested white, black, and maroon  |
| Cardstock     | Paper Studio - textured finish           | Red   | 100-120 | 10/10          | 15/15    | 1           | 25        | Tested white & black; cuts better w/ texture down  |

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|                              |  |       |         | Zing           | Zing Air |             |           |   |
| Cardstock                    | Prism  | Red   | 70-90   | 10/10          | 15/15    | 1           | 25        | Colors tested: Cream Puff and Brilliant White |
| Cardstock                    | Recollections                                      | Red   | 55-70   | 10/10          | 15/15    | 1           | 25        | Varies with color                             |
| Cardstock                    | Stampin Up - white                                 | Red   | 80-100  | 10/10          | 15/15    | 1           | 25        | Other colors may need more force              |
| Cardstock                    | Wausau AstroBrights - 65lb (177g) Sticky Cardstock | Red   | 70-90   | 10/10          | 15/15    | 1           | 25        | Do not cut through backing sheet              |
| Cardstock                    | Wausau Creative Collection - 65lb (177g)           | Red   | 65-75   | 10/10          | 15/15    | 1           | 25        | Force varied with color                       |
| Cardstock                    | We R Memory Keepers - textured                     | Red   | 25-45   | 10/10          | 15/15    | 1           | 25        | Facedown on mat; mirror shapes before cutting |
| Cardstock                    | Coordinations                                      | Red   | 85-100  | 10/10          | 15/15    | 1           | 25        | Varies with color                             |
| Cardstock                    | WorldWin Cutmates (knkusa.com)                     | Red   | 60-70   | 10/10          | 15/15    | 1           | 25        | Varies with color                             |
| Cardstock                    | WorldWin Textured - Red Twill (Paper Mill Store)   | Red   | 65-80   | 10/10          | 15/15    | 1           | 25        | Cuts beautifully!                             |
| Cardstock                    | X-Press It - 250gm (~92 lb equivalent)             | Red   | 30-50   | 10/10          | 15/15    | 1           | 25        | Cuts beautifully!                             |
| Chalkboard Cardstock         | DCWY Chalkboard Stock                              | Red   | 75      | 10/10          | 15/15    | 1           | 25        | Tested color black                            |
| Chipboard                    | 0.02" white  | Red   | 140     | 9/10           | 11/15    | 1           | 25        | May need 2 passes on small detail             |
| Chipboard                    | 0.03" (knkusa.com)                                 | Blue  | 140     | 9/10           | 11/15    | 1 or 2      | 13        | Use 2 passes on detailed images               |
| Chipboard                    | Cereal Box   | Blue  | 110-130 | 9/10           | 11/15    | 1 or 2      | 25        | May need 2 passes on small detail             |
| Chipboard                    | Grafix Medium Wt - natural                         | Blue  | 140     | 7/10           | 7/15     | 4           | 13        | Taped to mat.                                 |
| Clear Sheet                  | Heartfelt Creations "Clear Cardstock"              | Red   | 130     | 9/10           | 11/15    | 1           | 25        | Taped to Mat                                  |
| Coffee Filter                | two ordinary brands tested                         | Red   | 15-20   | 9/10           | 11/15    | 1           | 25        | Use very little blade exposure                |
| Contact Paper                | Clear, removable from Target                       | Red   | 10-20   | 10/10          | 15/15    | 1           | 25        |   |
| Craft Plastic                | 0.015" PETG from Dick Blick                        | Red   | 150     | 9/10           | 11/15    | 2           | 25        | Called Dura-lar clear plastic at Dick Blick   |
| Craft Plastic                | Clear Scraps                                       | Blue  | 160     | 9/10           | 11/15    | 2           | 13        | Taped to Mat                                  |
| Craft Plastic / PETG         | Grafix 0.02"                                       | Red   | 160     | 8/10           | 9/15     | 4           | 13        | Taped to Mat                                  |
| Double Sided Adhesive Sheets | Sookwang   | Red   | 40-50   | 10/10          | 15/15    | 1           | 25        |   |
| Double Sided Adhesive Sheets | Stampin Up - #120805 (Sizzix brand)                | Red   | 30-40   | 10/10          | 15/15    | 1           | 25        |   |
| Double Sided Adhesive Sheets | Cut Bond Create                                    | Red   | 70-80   | 10/10          | 15/15    | 1           | 25        |   |

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|                              |   |        |         | Zing           | Zing Air |             |           |  |
| Double Sided Adhesive Sheets | Thermo Web Peel n Stick                           | Red    | 45-55   | 10/10          | 15/15    | 1           | 25        | Tape to mat  |
| Duralar                      | 0.005" (digitalcuttersplus.com)                   | Red    | 90-100  | 10/10          | 15/15    | 1           | 25        |  |
| Fabric - Denim               | Denim - with and without stabilizer tested        | Yellow | 150     | 9/10           | 11/15    | 4           | 18        | Tape to mat if no Heat n Bond is applied                       |
| Fabric - Fleece              | With Heat n Bond applied                          | Yellow | 160     | 8/10           | 9/15     | 3 or 4      | 13        |  |
| Fabric - summer twill        | No stabilizer used                                | Yellow | 140-150 | 9/10           | 11/15    | 2           | 25        | Taped to a very sticky mat                                     |
| Fabric - summer twill        | With freezer paper applied                        | Yellow | 125-135 | 9/10           | 11/15    | 1 or 2      | 25        |  |
| Fabric - summer twill        | With Heat n Bond applied                          | Yellow | 100-110 | 9/10           | 11/15    | 1 or 2      | 25        | May need 2 passes on small detail                              |
| Fabric - thin cotton         | Type used for quilting - no stabilizer            | Yellow | 90-110  | 10/10          | 15/15    | 2           | 25        | Pressed to extra-sticky mat; varies with fabric                |
| Fabric - thin cotton         | Type used for quilting - with Heat n' Bond        | Yellow | 65-90   | 9/10           | 11/15    | 1 or 2      | 25        | Varies with fabric   |
| Fabric - wool                | Applied freezer paper                             | Yellow | 150-160 | 9/10           | 11/15    | 3           | 13        |  |
| Faux Rhinestone - thicker    | Buckle Boutique                                   | Blue   | 60-70   | 9/10           | 11/15    | 3           | 13        | Right side down to mat; may need to pull shape away from waste |
| Faux Rhinestone - thinner    | Buckle Boutique                                   | Blue   | 60-70   | 9/10           | 11/15    | 4           | 13        | Right side down to mat   |
| Felt - Soft                  | Michael's (NOT Eco-fi... avoid that!)             | Yellow | 75-85   | 9/10           | 11/15    | 2           | 13        | Heat N Bond applied  |
| Felt - stiffened             | ~1/16" from Michael's (NOT Eco-fi... avoid that!) | Blue   | 125-135 | 9/10           | 11/15    | 3           | 13        | Taped to a sticky mat  |
| Foam                         | Fun Foam from Michael's                           | Blue   | 5-10    | 9/10           | 11/15    | 2           | 13        |  |
| Foil Paper                   | Recollections                                     | Red    | 70-90   | 10/10          | 15/15    | 1           | 25        | Place upside on mat; mirror images                             |
| Frisket Film                 | Grafix - 0.002"                                   | Red    | 15      | 9/10           | 11/15    | 1           | 25        | Treat like vinyl: tiny blade exposure, only cut thru film      |
| Glimmer Paper                | Stampin Up - #124005                              | Red    | 125-135 | 9/10           | 11/15    | 1           | 25        | Taped to Mat   |
| Glitter Paper                | American Crafts POW                               | Red    | 70-90   | 10/10          | 15/15    | 1           | 25        | May need to tape to mat  |
| Glitter Paper                | Recollections Signature                           | Blue   | 110-130 | 9/10           | 11/15    | 2           | 25        | Tape to a sticky mat upside down; mirror images                |
| Glitterflex Ultra            | knkusa.com  | Red    | 30-40   | 10/10          | 15/15    | 1           | 25        | Cut dull side up: mirror shapes!                               |
| Icing Sheets                 | Cut-N-Frost by PhotoFrost                         | Yellow | 20-45   | 10/10          | 15/15    | 1 or 2      | 25        | Thin sheet version not recommended                             |
| Iron-on Transfer             | knkusa.com  | Red    | 20-40   | 10/10          | 15/15    | 1           | 25        | Cut dull side up: mirror shapes! Force will vary with brand.   |
| Grungeboard                  | Tim Holtz product                                 | Blue   | 110-120 | 9/10           | 11/15    | 2           | 13        | Taped to Mat   |

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|                                |   |        |         | Zing           | Zing Air |             |           |  |
| Iron-on Transfer               | Easy Weed                                     | Red    | 10-15   | 10/10          | 15/15    | 1           | 25        |  |
| Leather                        | Bookbinding quality                           | Red    | 90-100  | 10/10          | 15/15    | 2           | 25        |  |
| Lutradur - Heavy Wt            | ctpub.com                                     | Red    | 50-60   | 9/10           | 11/15    | 2           | 25        | Doesn't handle very thin parts: use light wt Lutradur for intricate shapes |
| Lutradur - Light Wt            | ctpub.com                                     | Red    | 50-60   | 10/10          | 15/15    | 1           | 25        |  |
| Magnet - Printable             | 0.015" from knkusa.com                        | Blue   | 50-60   | 9/10           | 11/15    | 2           | 25        | Taped to Mat   |
| Magnet - Printable             | 20 mil (0.02")                                | Blue   | 140-150 | 9/10           | 11/15    | 2           | 25        |  |
| Magnetic Material              | knkusa.com, 0.035"                            | Blue   | 150-160 | 9/10           | 11/15    | 2           | 13        | Taped to Mat, magnet side up   |
| Masking Tape                   | Blue painters tape                            | Red    | 7       | 9/10           | 11/15    | 1           | 25        | Very sensitive to blade length and excess force                            |
| Masking Tape                   | Green Frog tape                               | Red    | 5       | 8/10           | 9/15     | 1           | 25        | Very sensitive to blade length and excess force                            |
| Masking Tape                   | Purple painters tape                          | Red    | 5       | 8/10           | 9/15     | 1           | 25        | Very sensitive to blade length and excess force                            |
| Mat Board                      | Black - Hobby Lobby                           | Blue   | 140-150 | 7/10           | 7/15     | 3 or 4      | 13        | Tape to mat; Colored side down   |
| Modeling Film                  | Clearly for Art: black and white              | Red    | 130     | 9/10           | 11/15    | 1           | 25        | Taped to Mat   |
| Modeling Film                  | Clearly for Art: clear                        | Red    | 140     | 9/10           | 11/15    | 2           | 25        | Taped to Mat   |
| Mylar                          | Shimmer Sheetz (tested black and pink marble) | Red    | 85      | 10/10          | 15/15    | 1           | 25        | Taped to Mat   |
| Mylar - 0.005"                 | Tapplastics.com                               | Red    | 90      | 10/10          | 15/15    | 1           | 25        |  |
| Mylar - 0.007"                 | Grafix Clear Lay                              | Red    | 100     | 9/10           | 11/15    | 2           | 25        |  |
| Mylar - 0.010"                 | stencilease.com                               | Red    | 160     | 8/10           | 9/15     | 3           | 25        | Sticky mat plus taped to mat.  |
| Paper - Copy/Printer           | 20 lb (75g) Multi-purpose                     | Red    | 20-40   | 10/10          | 15/15    | 1           | 25        | Set blade to minimal exposure  |
| Photo Paper                    | HP Advanced - Glossy                          | Red    | 100-110 | 10/10          | 15/15    | 1           | 25        |  |
| PhotoFrost Icing Sheet - Thick | PhotoFrost                                    | Yellow | 20-45   | 10/10          | 15/15    | 1 or 2      | 25        | Thin sheet version not recommended   |
| Posterboard                    | Grocery Store                                 | Red    | 100-120 | 10/10          | 15/15    | 1           | 25        |  |
| Posterboard                    | 6 Ply Pacon in various colors                 | Red    | 115-130 | 9/10           | 11/15    | 2           | 25        |  |
| Rhinestone Template            | KNK Rock-it from knkusa.com                   | Blue   | 75-95   | 10/10          | 15/15    | 2           | 25        | Cut on sheet - use sticky mat to weed circles, if needed                   |
| Rhinestone Template            | Green from knkusa.com                         | Blue   | 80-100  | 10/10          | 15/15    | 2           | 25        | Peel off backing, place sticky side onto mat                               |
| Shrink Film                    | Grafix - clear                                | Red    | 130     | 10/10          | 15/15    | 2           | 25        | Taped to mat   |

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|                      |  |       |         | Zing           | Zing Air |             |           |  |
| Shrinky Dink         | Frosted Ruff N' Ready                    | Red   | 130     | 10/10          | 15/15    | 1           | 25        | Taped to mat   |
| Stamp Material       | Clear rubber sold by Silhouette          | Red   | 30      | 8/10           | 9/15     | 1           | 25        | Used the special mat sold by Silhouette for cutting their stamp mat! |
| Stencil Board        | Dark –heavy resin                        | Red   | 110-120 | 9/10           | 11/15    | 2           | 25        | Tape to mat; this is the type that has a pungent smell               |
| Stencil Board        | Light –minimal resin                     | Red   | 40-50   | 9/10           | 11/15    | 1           | 25        | Tape to mat; this is the type that has no smell                      |
| Stencil Plastic      | Show-Offs                                | Red   | 150     | 8/10           | 9/15     | 2 or 3      | 25        | Side with clear sheet down tape to mat                               |
| Sticky Flock         | The Decal World                          | Red   | 70-80   | 10/10          | 15/15    | 1           | 25        |  |
| Styrene              | Lowes blank signs: pink & green, ~0.027" | Red   | 150     | 8/10           | 9/15     | 2           | 25        | Taped to Mat   |
| Styrene              | www.knkusa.com, white, ~0.02"            | Red   | 140     | 9/10           | 11/15    | 2           | 25        | Taped to Mat   |
| Sugar Sheets         | Wilton                                   | Red   | 40      | 9/10           | 11/15    | 1           | 25        | Used margarine to adhere sheet to non-sticky mat                     |
| Transparency Film    | HP (from Office Max)                     | Red   | 70      | 10/10          | 15/15    | 1           | 25        |  |
| Vellum               | digitalcuttersplus.com                   | Red   | 35-45   | 10/10          | 15/15    | 1           | 25        |  |
| Vellum               | Heavy                                    | Red   | 80-90   | 10/10          | 15/15    | 1           | 25        |  |
| Vellum               | Medium wt with texture                   | Red   | 70-80   | 10/10          | 15/15    | 1           | 25        |  |
| Vellum               | Stampin Up - #101856                     | Red   | 35-45   | 10/10          | 15/15    | 1           | 25        |  |
| Vellum - heavy       | WorldWin Colormates - 48lb (132g)        | Red   | 90-100  | 10/10          | 15/15    | 1           | 25        |  |
| Vellum - thin        | WorldWin Colormates                      | Red   | 20-30   | 10/10          | 15/15    | 1           | 25        |  |
| Vinyl                | knkusa.com                               | Red   | 5-15    | 10/10          | 15/15    | 1           | 25        |  |
| Vinyl - Cling        | digitalcuttersplus.com                   | Red   | 35-45   | 10/10          | 15/15    | 1           | 25        |  |
| Vinyl - printable    | knkusa.com                               | Red   | 15-25   | 10/10          | 15/15    | 1           | 25        |  |
| Window Sheets        | Stampin Up - #114323                     | Red   | 130     | 9/10           | 11/15    | 1           | 25        | Taped to Mat   |
| Wood Veneer          | 0.015" from cardsofwood.com              | Red   | 120     | 9/10           | 11/15    | 2           | 25        | walnut and oak were tested; taped to mat                             |
| Yupo Synthetic Paper | dickblick.com, 144lb (390g)              | Red   | 135-145 | 9/10           | 11/15    | 2           | 25        |  |
| Yupo Synthetic Paper | dickblick.com, 74lb (199g)               | Red   | 60-70   | 10/10          | 15/15    | 1           | 25        |  |

\* Number of Post-It notes used to set blade tip distance from material

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