



Crown Roll Leaf, Inc.

Product Recommendation Chart

BASE	COVERAGE	APPLICATIONS
METALLIC FOILS		
BW88	Fine to Medium	Coated and uncoated paper stocks, SBS board, light textured book cloth, ABS, acrylic, acetate, lacquered wood, coated leather, rigid PVC, tipping foil. The 88-base is overprintable with most conventional and UV inks, as well as overcoatable with clear UV lacquers. This base is also overstampable
JK88 / SA88	Fine to Medium	Paper stock printed with conventional as well as UV inks and varnishes, aqueous coatings, laminated board; stamped well on printable polypropylene and polyethylene label stock
HS18	Medium to Large	Coated and uncoated paper stocks, SBS board, light textured book cloth, with an easier release than the 88-base. Excellent for larger format presses like the Bobst and Geitz. Can also stamp PVC sheets, ABS and acrylics. The 18-base is not recommended for overprinting or overcoating, but can be used to overstamp other foils.
AA87	Very fine	Aqueous coated stock for fine to very fine detail stamping; used for various trading card applications, cigarette packaging
BW94	Medium to Large	Coated and uncoated paper stocks, book cloth, dry stock, textured substrates, panel stamping. Excellent for overstamping other foils. The BW94 is NOT overprintable/overcoatable.
HH12	Fine to Medium	Coated and uncoated paper stock, varnished paper stocks. The HH12 is overprintable with most conventional and UV inks, as well as overcoatable with clear UV lacquers. This base is also overstampable Limited color availability. Not typically available in dark metallic colors.
CA40 KD54	Fine to Medium	For application on plastics such as ABS, acrylic, acetate, polyurethane, polycarbonate, polystyrene, rigid PVC. The CA40 has good alcohol resistance making it suitable for drink stirrers. Also used as tipping foil for PVC cards. Excellent for cosmetic tubes and caps requiring sharp, detailed stamping
MA40	Fine to Medium	For toner reactive applications; specific plastics such as rigid PVC, Low density and high density polyethylene
MK88	Fine to Medium	Digital Foil Application (MGI, Konica Printers); excellent transfer to flat and "embossed" varnish prints; available in silver, golds and other metallic colors
MG39	Medium	For application to T-shirts pre-coated/pre-printed with adhesive. This series has excellent washability, maintains brightness at high application temperatures (300 to 330°F, up to 10 sec. dwell)
MA41-380E	Medium	Developed primarily for HDPE bucket applications. Easy release and clean stamping, with lower metal density (aluminum) to comply with Metal Detection Requirements for food buckets. Not suitable for outdoor exposure applications
GB01 BFD/BKD	Medium	Special Effects Series; multi-color, multi-pattern foils. Various ombre stripe pattern and color combinations, woodgrain patterns, floral designs and other customer design work. Excellent on coated and uncoated papers, as well as other coated or lacquered substrates such as wood, MDF, molded plastics
LX47 LX62	Fine to Medium	Laser Printer Foils. Applies well onto various stocks, check stocks that require laser printing after foil stamping. Excellent heat resistance, and will not transfer onto heated rollers in the laser printers.



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SX73	Medium	Scratch-Off Foil Series: - SX73-01797F - metallic silver w/black moiré/fingerprint pattern - SX73-441E / 492E - satin silver, satin gold scratch-off - SX73-100F-742 - Holographic Scratch-Off High speed application on Atlantic Zeiser machine, excess of 10,000 IPH
RJ72	Fine to Heavy	Premium Graphics Foil, for difficult applications on coated, uncoated, synthetic paper substrates; works well on dry and textured papers, over stamping on conventional and UV inks and varnishes. Excellent for high speed applications
PK72	Fine to Medium	General Purpose Foil, for fine to medium coverage. Excellent on coated and uncoated paper substrates, printable PP and PE label stock
PIGMENT FOILS		
YEA	Fine to Medium	Gloss Pigment Series, Fine to Medium coverage on plastics such as rigid PVC, polystyrene, acrylics, polypropylene and polyethylene. Applies well on HDPE crates and bins, buckets and other containers. Not all colors are suitable for outdoor application.
YED	Fine to Medium	Gloss Pigment Series, Fine to Medium coverage on coated and uncoated paper stocks, printable PE & PP Label Stock
GEA GED	Fine to Medium	For specific plastics such as PVC, ABS, polystyrene, PP and PE, including HDPE. Not over stampable, or overprintable. Not all colors are suitable for outdoor application.
SEA	Fine to Medium	Code Dating Foil - for various packaging applications. Excellent for wire and plastic pipe markings. Crown can slit to as narrow as 0.25", and traverse wind up to 50,000 feet on a bobbin/roll.
LFQ	Fine to Medium	Matte Pigment Foil, for fine to medium coverage on coated and uncoated paper stock. Stamps well on aqueous coatings and stampable UV coatings
PFU	Medium to Large	Matte Pigment Foil, for medium to large coverage on coated and uncoated paper stock. Excellent for book cloth, panel stamping, recycled papers
HOLOGRAPHIC FOILS and LAMINATES		
BD68 CA68	Medium	Holographic hot stamping for graphics applications. More suited for application to specific plastics such as PVC, ABS, polypropylene, polystyrene. Good abrasion and scratch resistance; not recommended for overprinting or overcoating
MK68	Medium	Excellent for stamping onto PVC cards, polyethylene; also used toner reactive applications
BD84	Fine to Medium	General purpose, fine to medium coverage on coated and uncoated papers. Easier release than the 68-base makes the 84-base more user friendly, with very consistent stamping characteristics. Overprintable, overcoatable.
BD85	Medium to Large	Easier release than the BD84, for medium to large coverage on coated and uncoated papers. Easier release also allows higher application speeds while maintaining consistent stamping characteristics. Not recommended for overprinting or overcoating.



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JK84 JK85	Fine to Medium	Developed for stamping onto UV inks and coatings, as well as printable PE and PP Label Stocks. The JK 85 also allows higher application speeds than the JK84.
LR84	Fine to Medium	For dry stock applications, foil boards, vellum, printed stocks, metallic inks as well as acrylic sheets. Consistent stamping characteristics, and can be overprinted and overcoated
XST	n/a	General purpose Holographic Laminate. Excellent for PSA Labels, Core Stock application and other lamination. Available in 60, 92, 142 and 200 gauge printable PET carrier film.
XNT	n/a	Higher durability Holographic Laminate. Typically used for Core Stock applications and other laminations requiring good inter-coat adhesion. Available in 60, 92, 142 and 200 gauge printable PET carrier film.
XPSR	n/a	Tamper-Evident Holographic Laminate. Typically used as PDS Labels for brand and product protection. After the label is applied onto a substrate, attempts to remove the label activates an irreversible tamper-evident pattern on the label. Available in 92, 142 and 200 gauge, printable films.
Cold Foil		
RH70	Fine to Large	Metallized foil developed for Cold-Foil application on reel-to-reel label presses such as Gallus, Mark Andy and Nilpeter presses. This series offers excellent fine line definition, as well as good medium to broad coverage and well suited for high speed application. This series is overprintable with both conventional and UV-cured inks and varnishes.

Typical Hot Stamping Temperature Settings:

Small platen, vertical presses (Kluge, Thompson, Minerva): 200 - 275°F (metal die)
 Larger format and cylinder presses (Bobst, Geitz, Heidelberg): 275 - 350°F (metal die)
 High speed rotary presses (Steuer, Gallus, Mark-Andy): 350 - 400°F (metal die)
For Plastics: 300 - 450°F (silicone rubber dies)

This Recommendation Chart provides a guide for workability for various applications but does not offer any guarantee. Because of the variety in paper stocks, inks, coatings and machinery used by printers and converters, it is important to test the suitability of any foil for each particular application before going into production.