



DIGITAL Carbonless Paper

Designed for Digital
Monochrome and
Color Printing

Product Description

Nekoosa Coated Products Digital Carbonless paper is specifically designed for use in digital monochrome and color printing environments where high friction, roller pressures, and fuser temperatures are present.

Digital carbonless paper is ideal for both long run and quick-turnaround print jobs. The various coated sheets are supplied as singles and precollated form sets up to five (5) parts straight sequence or four (4) parts reverse sequence, for the production of multipart reverse sequence, for the production of multipart carbonless forms, eliminating the need for negatives, stripping, platemaking, press make-ready, press-inking and printing.

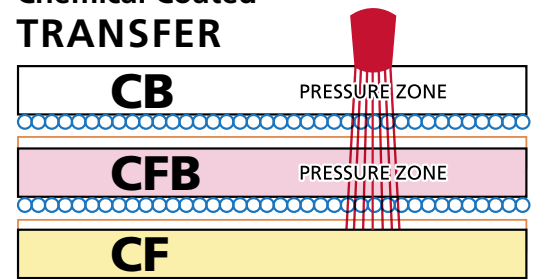
Digital Carbonless Paper is a dye coated transfer carbonless paper for use in business forms, and other applications where pressure responsive mated paper is required.

Digital CB and CFB carbonless papers have a coating consisting of microscopic capsules containing image forming dyes coated on the back side of the sheet.

Digital CF ad CB papers have a mating chemistry coated on the front side of the paper.

When pressure is applied, the microcapsules are broken and the image-forming dyes are transferred to the mating chemistry on the front sides of the CF and CFB sheet. The chemicals react to form a black image.

Chemical Coated TRANSFER



CB: Coated Back » CFB: Coated Front and Back » CF: Coated Front

Physical Properties Average Values

PROPERTY	TEST METHOD	CB	CFB	CF	TERMINOLOGY
Basis Weight	T-410	20.8	21.5	20.6	Lbs/500-17"x22"
Basis Weight	T-410	78.2	80.8	77.5	g/m2
Caliper	T-411	4.2	4.2	4.2	mils
Brightness (white only)	T-452	92.0			
Opacity	T-425	88.7			percent
Image Color	NCP Test	Black			
Odor	NCP Test	Very Slight Odor			

Test methods prefixed with a "T" are established by the Technical Association of the Pulp and Paper Industry.

Technical Properties

SHELF LIFE AND STORAGE: The normal ranges of temperature humidity have very little effect on the performance of Nekoosa Coated Products Digital Carbonless Paper. The shelf life of products stored under normal storage conditions is at least two years. Stock should be kept current by practicing a first in-first out inventory rotation. Imaged sheets should be stored in normal office conditions to avoid reducing the permanency of the image. Such image reduction can be caused by excessive exposure to hand lotions and ultra-violet light sources. Should there be any questions concerning the performance of Nekoosa Coated Products Digital Carbonless paper in any specific applications, it is recommended that tests be conducted under "in-use" conditions to assure product suitability.

SPEED OF IMAGE FORMATION: Nekoosa Coated Products Digital Carbonless Paper is immediately legible. The image will continue to darken over a short period of time. This darkening will be most apparent in handwritten forms. Extremely cold temperatures will slow down the speed of the image formation and conversely, higher temperatures will increase the reaction rate.

PRESSURE REQUIRED TO IMAGE: Nekoosa Coated Products Digital Carbonless paper has the ability to produce quality copies using most impact imaging equipment. Because of the differences in individual requirements, the wide range of pressure exerted by various printers or writing pressure associated with hand entry, users should conduct tests simulating actual usage conditions for assuring satisfactory performance in specific applications.

Technical Properties

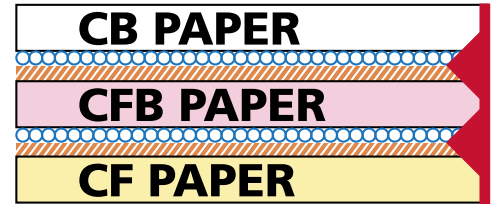
MICROFILMING AND COPYING: Nekoosa Coated Products Digital Carbonless paper images reproduce very well on microfilm and on most copying equipment. Equipment employing an infrared process or diazo, where a translucent original is necessary, will not produce acceptable copies from carbonless paper.

FAN-OUT PADDING: Nekoosa Coated Products Digital Carbonless Paper sheets are designed for use with Nekoosa Coated Products Fan-Out Padding Adhesive to provide fan-apart form sets.

A CB sheet in the top position and a CF sheet in the bottom position are required for proper fan-out.

Nekoosa Coated Products Digital Carbonless Papers are designed to repel the adhesive at the front of the CB ad back of the CF sheets. This allows the production of form sets when the stock is fanned at the corners.

3-PART SET



○○○○ MICROCAPSULES

////// MATING CHEMISTRY

NOTE: This form set must have a CB sheet as the top ply and a CF sheet as the bottom ply with all the intermediate sheets being CFB sheets.

Printing Characteristics

LOADING THE EQUIPMENT: Digital Carbonless Paper must be printed/copied on the proper side. The arrow on the ream label points to the correct print/copy side. Also, the print side may be identified after the ream wrapper has been removed by observing the side ream identification arrows on the end of the ream. These arrows point to the print side of the paper. When filling the feed tray or paper supply bin, face the print side up or down pursuant to the recommendations of the machine manufacturer. Fan the paper before placing stock into the feed tray or bin. This process captures air between the individual sheets to enable smooth feeding.

DELIVERY: Precollated Nekoosa Coated Products Digital Carbonless Paper is specifically designed for use with machines using toner heat fusing systems and delivering sheets into a receiving tray.

CONDITIONING AND HANDLING: As with most paper grades, Nekoosa Coated Products Digital Carbonless Paper should be acclimated to copy room conditions before printing. Keep paper stored in original protective packaging until needed. Unused paper should be resealed in the

original wrapper and stored in a controlled environment. Handle paper with minimal pressure to avoid inadvertently marking or scuffing of the paper.

IMAGE TEST: Make a small firm mark on the first completed form set. Check each ply for the presence of the carbonless image. This will indicate whether or not the printing/copying is being performed on the proper side of the paper.

SCUFF MARK: A small mark may be seen on some sheets in the finished form sets. This is a result of the machine feeding mechanism. The scuffmark is not present on the top sheet of the form.

PRESS AND INK: Nekoosa Coated Products Digital Carbonless Paper may also be printed on wet offset, dry offset, and letterpress equipment. Standard low-tack inks give good performance.

Additional Information



Should additional information or assistance be desired, contact:

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