

Printer: Thermal Paper Testing & Recommended Suppliers

In conjunction with the routine preventative maintenance on the thermal print head, using paper from this list that has been tested by TGCS will help to prevent premature wear of 4610 thermal print head and cutter blade.

OEM Thermal Paper Testing

The following OEM thermal papers have been tested by TGCS for use with TGCS SureMark 4610 printers. This testing program only applies to the specific paper products listed below. TGCS testing only confirms that use of these papers will not negatively affect the operating life of the various 4610 printer mechanisms, specifically only the thermal print head and thermal paper cutter blades in a controlled environment. TGCS testing only confirms the following:

1. Use of these papers will not negatively affect the operating life of the various 4610 printer mechanisms, specifically only the thermal print head and thermal paper cutter blades in a controlled environment.
2. Use of these papers will not negatively affect the paper feeding performance of the printer in various temperature and humidity operating environments.

TGCS's thermal paper testing does not warrant any other claims made by the paper manufacturer, including archive life and sensitivity, some of which are provided by the paper manufacturers and included for convenience in the "descriptions" column of the chart below. For specific paper information, please contact the manufacturer directly.

Because of vast differences in customer environments, for optimal performance, TGCS recommends that each user carry out field tests of a given printer and paper combination for your specific environment.

Printer reliability and performance are directly related to the quality of the supplies used by the customer. Using only papers that are on the following tested papers list will help to ensure that your printers will perform well over an extended period of time. Use of papers not included on the tested papers list may result in a billable service call if printer failures are determined by TGCS to be the result of using these papers. Thermal paper with post-processing, such as (but not limited to) preprinted watermarks, coupons, or advertisements printed on the front or back of the paper, is not tested by TGCS. Some inks and printing processes will work acceptably, while others will not. Printer problems that are caused by supplies that include preprinting may result in a billable service call, regardless of the existence of a service contract.

Please note that not all papers are supported on the 4610-2CR/2NR and 1NR/1NA printers.

Paper companies and TGCS customers who wish to nominate a particular paper grade for testing should contact their TGCS Representative.

*** Fiscal Printers 2NF/2CF/1NF Important:** For customers who operate in countries where Fiscal laws apply; be sure to use only those papers that meet the requirements of the tax authorities of your country for archiving tax related data.

List of Paper Qualified for The Toshiba POS Printers in Alphabetical order

Company	Product	Printer	Descriptions
Appvion	Alpha 400-2.3	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9 2CR/2NR/1NR 2NF/2CF/1NF*	Economy POS grade for retail use. Good general imaging characteristics. Suited for flexographic and UV litho printing front and back
Appvion	Alpha 400-2.1	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Lower caliper economy POS grade for retail use. Good general imaging characteristics.
Appvion	Alpha 800-2.4	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	High sensitivity POS grade. Excellent barcode and graphics imaging. Suited for flexographic and UV litho printing front and back
Appvion	Alpha 800-3.4	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Heavy weight, high sensitivity POS grade. Bond-like paper feel
Hansol Paper Co., Ltd.	Hansol Thermo 48 gsm	TI3/4/5 TI6/7 TI 8/9	Low caliper economy POS grade. High brightness and good imaging characteristics.
Hansol Paper Co., Ltd.	Hansol Thermo 55 gsm	TI3/4/5 TI6/7 TI 8/9	Typical POS application with good imaging characteristics for letters, numbers, and barcodes. High brightness.
Jujo Thermal	AF50KS-E	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Premium grade for cash registers, receipt, coupon and P.O.S. use. Excellent imaging characteristics for letters, numbers and barcodes. Available through the global sales office networks of Mitsui & Co. and Japan Pulp and Paper (please visit www.Jujothermal.com for details).
Jujo Thermal	TF50KS-EY	2CR/2NR/1NR 2NF/2CF/1NF*	Premium long life grade for demanding cash register, receipt, coupon and P.O.S. use, with 10 year image stability guarantee. Excellent imaging characteristics for letters, numbers and barcodes. Excellent resistance against heat, plasticizers (PVC), oil, grease and water. Available through the global sales office networks of Mitsui & Co. and Japan Pulp and Paper (please visit www.Jujothermal.com for details).
Jujo Thermal	AP50KS-FZ	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Premium long life grade for demanding cash register, receipt, coupon and P.O.S. use, with 10 year image stability guarantee. Excellent imaging characteristics for letters, numbers and barcodes. Excellent resistance against heat, plasticizers (PVC), oil, grease and water. Available through the global sales office networks of Mitsui & Co. and Japan Pulp and Paper (please visit www.Jujothermal.com for details).

Kanzaki	P-30523	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Lightweight POS grade, retail application use. Good imaging for letters, numbers and barcodes. Lower image density.
Kanzaki	P-30521	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9 2CR/2NR/1NR 2NF/2CF/1NF*	A light weight and lower caliper POS grade. Designed for yielding additional feet per roll to reduce the cost of freight, roll changes and storage/handling. Good image for numbers, text and barcodes
Kanzaki	P-31523	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Similar to P-300 but with higher basis weight. Good imaging for letters, numbers and barcodes.
Kanzaki	P-35524	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Typical POS application. Provides best degree of image density for printing while maintaining sharp barcode definition.
Kanzaki	P-35532	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Typical POS application. Provides best degree of image density for printing while maintaining sharp barcode definition.
Koehler	KT 48 F20	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9 2CR/2NR/1NR 2NF/2CF/1NF*	Designed for typical POS applications with excellent imaging characteristics
Koehler	KT55F20	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9 2CR/2NR/1NR 2NF/2CF/1NF*	Designed for typical POS applications with excellent imaging characteristics.
Koehler	KT44FA	2CR/2NR/1NR 2NF/2CF/1NF*	Designed for typical POS applications with excellent imaging characteristics.
Mitsubishi	F-5041	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Universal POS grade with high sensitivity and good thermal imaging qualities, for use in retail applications. Available through Mitsubishi's extensive worldwide sales and marketing networks, including North America, Latin America, Europe and Asia.
Mitsubishi	P5047(48) P5047(55) P5044(48) P5044(55)	2CR/2NR/1NR 2NF/2CF/1NF*	Universal POS grade with high sensitivity and good thermal imaging qualities, for use in retail applications. Available through Mitsubishi's extensive worldwide sales and marketing networks, including North America, Latin America, Europe and Asia.
Mitsubishi	P-5045	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Universal POS grade with high sensitivity, good thermal imaging qualities and enhanced resistance against environmental influences. For use in retail & medical applications. Available through Mitsubishi's extensive worldwide sales and marketing networks, including North America, Latin America, Australia, Europe and Asia.

Torraspapel	Termax P-55 S	TI 1/2 TI 3/45 TF/M 6/7 TI 8/9	Thermal paper, non-top coated, designed for the standard POS and other direct thermal applications. The high accuracy of the coating system used to manufacture the product, provides an outstanding definition of the thermal image.
-------------	---------------	---	--

* Important Fiscal Printer 2NF/2CF/1NF: For customers who operate in countries where Fiscal laws apply; be sure to use only those papers that meet the requirements of the tax authorities of your country for archiving tax related data.

Contacts

Appvion	Customer Service Phone (800) 922-1729 Fax (800) 922-1712
Hansol Paper Co., Ltd.	Global Fibres, Inc. Tel: 562-809-1288 ext(102) Fax: 562-809-3488 Email: jpak@hansolusa.com Glen Byun Hansol Paper Co., Ltd Seoul, Korea Tel:+82-2-3287-6447 Fax:3287-6643 Email: byun123@hansol.com
Jujo Thermal	Jujo Thermal Sales and Customer Service +358 2 8393 2900, email Jujosales@jujothermal.com
Kanzaki	(888) 526-9254 Customer Service customerservice@kanzakiusa.com (413) 736 3216
Koehler	Papierfabrik August Koehler SE https://www.koehlerpaper.com/en/contact/ Phone +49 7802 81-0 Email: info@koehlerpaper.com
Mitsubishi	Mr. Ted Rice Phone 212-605-2525
Torraspapel	Torraspapel Carbonless and Thermal Division. Marketing Dept. Phone: +34 93 482 10 91 Fax: + 34 93 482 09 10 e-mail: mktform@torraspapel.com