

Selection of recommended printing inks



08/2023

These specifications are recommendations by the ink manufacturers. We can assume no liability for their accuracy.

¹ With UV-flexo ink on Non-Top-coated materials (KP/KPR grades), discolouration may occur, appearing even weeks or months after printing. Here we strongly recommend pretests. Complete drying, means cross-linking of the ink, must be guaranteed.

² By addition of the additive FLINT GROUP UAA00117, ink adhesion can be improved. Please consult the manufacturer's specification.

Manufacturer	Ink series	KP/KPR grades	KL/KLS grades
Flint Group	Water Based Flexo		
	Thermokett TC	■	■
	UV Flexo		
	Flexocure FORCE	■ ¹	■ ²
	Flexocure GEMINI	■ ¹	■ ²
	Flexocure ANCORA (LM)	■ ¹	■ ²
	Flexocure ANCORA 50 (LM)	■ ¹	■ ²
	UV Offset		
	Lithocure Premium		■
	Lithocure ANCORA LP (LM)		■
	UV Letterpress		
	Lithocure Premium		■
	Lithocure ANCORA LP (LM)		■
GSB-Wahl	Water Based Flexo		
	Thermo Label Series TL	■	■
	UV Flexo		
	UV Labelflex Series 81 MA (LM)	■ ¹	■
hubergroup	UV Offset; UV Letterpress		
	UV Series 6400 MA (LM)		■
	UV Flexo		
	NewV flex UF4000	■ ¹	■
	UV Offset		
Jänecke+Schneemann	NewV pack UG4000		■
	NewV pack UG5000		■
	NewV pack MGA UG5000M		■
	UV Offset		
RODATZ FarbenFabrik	Supra UV Series 569920-923		■
	Supra UV Series 570160-163		■
	Water Based Flexo		
Siegwerk	Inkseries 4 WT (with cross-linker 21010)	■	■
	Water Based Flexo		
	Aqualabel HK (with cross-linker)	■	■
	UV Flexo		
	SICURA Flex 39-8	■ ¹	■
	SICURA Nutriflex 10 (LM)	■ ¹	■
	SICURA Nutriflex LEDTec (LM-LED)	■ ¹	■
	UV Offset		
	SICURA Litho Nutriplast 2 (LM)		■
	UV Letterpress		
ZELLER+GMELIN	SICURA Typo 41-2		■
	UV Flexo		
	UVFLEX Y80	■ ¹	■
	UVFLEX Y81 (LM)	■ ¹	■
	UV Offset; UV Letterpress		
	UVALUX U40		■
	UVALUX U41 (LM)		■

LM = Low Migration

Intelligent Paper



Label face materials

Product range





- high sensitivity
- excellent barcode and image quality
- very good wet rub stability
- good resistance under extreme climatic conditions
- UV-offset- and UV-flexo-printable
- high converting performance
- superior adhesive hold out

KANZAN label face papers – intelligent solutions for all applications

KANZAN thermal label papers have extremely high quality consistency, reliability and excellent workability. Thanks to our in-house base paper production, the base papers are already precisely adapted to the special demands of label papers. The experience in thermal technology accumulated over decades by one of the world market leaders Oji Paper, Japan, to which KANZAN belongs, ensures that we produce thermal label papers with excellent image and barcode quality.

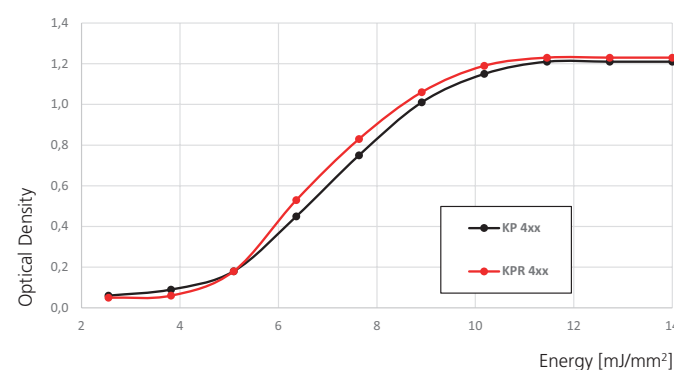
A further quality criterion that speaks for the use of our thermal label papers is the extremely long service life of the print heads in thermal printers that can be achieved when KANZAN products are used. This increased service life of the thermal print heads, combined with low maintenance requirements, guarantees trouble-free operation of systems and processes. This ultimately leads to substantial cost-savings for product users and greater customer satisfaction.

Our comprehensive product range meets every market requirement and, in addition to the standard range listed here, also offers numerous special products. **Just let us know what you are looking for!**

Product range	Grade	BP free	Phenol free	Grammage [g/m²]	Thickness [µm]	Printing speed [mm/s]	Resistance			
							Water 	Oil or fat 	Plasticizers 	Special adhesives 
All Topcoated grades can be used for linerless applications.	Non-Topcoated									
	KP 460			70	78	≤ 250	o	+	+	o
	KP 460(NP)		✓	71	80	≤ 250	+	+	+	+
	KPR 440	✓		53	61	≤ 250	0	0	0	+
	KPR 460	✓		70	80	≤ 250	0	0	0	+
	KPR 460B	✓		70	80	≤ 250	0	0	0	++
	Topcoated									
	KLS 44B		✓	55	63	≤ 250	++	++	++	++
	KLS 46		✓	71	82	≤ 250	++	++	++	+
	KLS 46B		✓	72	82	≤ 250	++	++	++	++
	KLRB 46B			74	80	≤ 200	+	+	+	++
	KLS 56	✓		76	82	≤ 350	+	+	+	+
	KLS 56B	✓		74	82	≤ 350	+	+	+	++

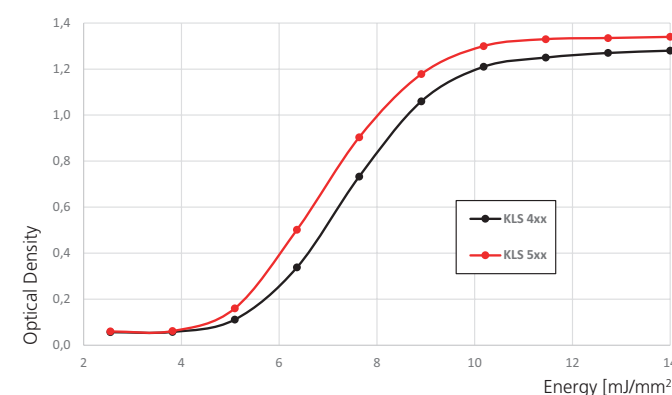
Key:
 ++ very good resistance
 + good resistance
 o standard resistance

Dynamic sensitivity | KP/KPR grades



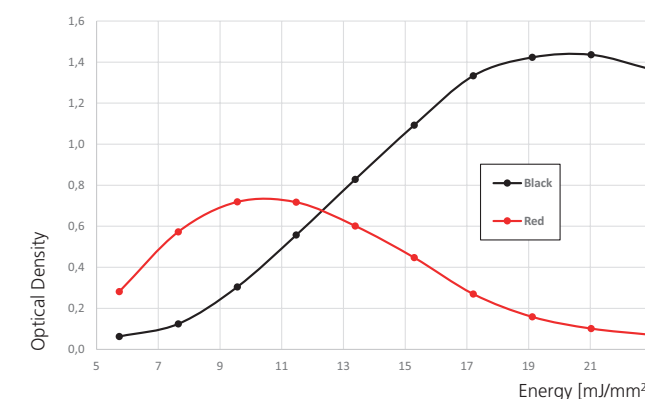
GeBE-PrinterLab (4 inch/s), X-Rite 530

Dynamic sensitivity | KLS grades



GeBE-PrinterLab (4 inch/s), X-Rite 530

Dynamic sensitivity | KLRB 46B

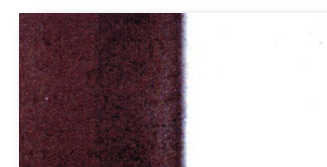


GeBE-PrinterLab (4 inch/s), X-Rite 530

Adhesive penetration test – after 4 weeks at 60 °C

KANZAN label face papers have a superior performance concerning adhesive hold out. Using our paper the black image does not show any fading, also no staining is visible.

KANZAN



Competitor

