

AVAILABLE TYPES

TYPE	THICKNESS Micron	GRAMMAGE g/m²	PRINTING METHODS
WKFS 340	320	220	Sheet-fed Offset and Silkscreen
XAD 1069	210	166	UV-Silkscreen and UV digital
WKJ 250	220	156	Water-based Inkjet
XAD 1082	245	175	Latex and Eco solvent Inkjet
XAD 1058	240	170	HP Indigo and Xeikon 3000 series
XAD 1057	272	190	Office Inkjet
XAD 1072	325	225	Sheet-fed offset
XAD 1076	228	166	HP Indigo
XAD 1077	233	254	Laser, UV Inkjet and UV Offset

AVAILABLE SHEETS

TYPE	SIZE	PACKAGING per ream
WKFS 340	1020 × 720 mm, 640 × 450 mm, 640 × 900 mm	100 sheets
XAD 1057	210 × 297 mm (A4)	100 sheets
XAD 1058	460 × 320 mm	250 sheets
XAD 1072	1020 × 720 mm	100 sheets
XAD 1076	460 × 320 mm	100 sheets
XAD 1077	450 × 320 mm, 210 × 297 mm (A4)	100 sheets

AVAILABLE REELS

TYPE	SIZE
WKJ 250	1270 mm × 20 m, 1067 mm × 20 m, 914 mm × 20 m, 610 mm × 20 m
XAD 1069	1270 mm × 20 m, 1270 mm × 75 m, 1270 mm × circa 300 m
XAD 1082	1270 mm × 20 m, 1270 mm × circa 300 m

TECHNICAL
GUIDEBOOK

YUPOTAKO®

ADHERES WITHOUT ADHESIVES
TO SMOOTH SURFACES



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1 INSTRUCTIONS FOR USE AND WARNINGS

YUPOTako®'s operating temperature is between **-30°C to +60°C**. However, at temperatures below freezing, mounting must be performed at room temperature. After that, decreasing the temperature is not a problem and has no effect on the force of adhesion.



PLEASE CAREFULLY CLEAN THE SURFACE THOROUGHLY BEFORE APPLYING YUPOTAKO®.

Especially for large applications the application surface should be very smooth, ensuring a high adhesion.

In some cases, a white residue can occur after the removal of YUPOTako®: any remaining residues can simply be wiped using a damp cloth.

Not suitable for mounting on uneven surfaces.

NOT RECOMMENDED FOR OUT-DOOR APPLICATION OR AS VEHICLE STICKERS.



DO NOT MOUNT YUPOTAKO® ON SAFETY GLASS. THE GLASS CAN SHATTER DUE TO THE THERMAL INSULATION.

DO NOT MOUNT YUPOTAKO® DIRECTLY ON DISPLAY MONITORS. IT CAN DAMAGE THE SCREEN.



YupoTako is not suitable for long-term application on ABS, Acrylic, PVC and Polycarbonate surfaces. Please conduct prior tests before final application. YUPOTako® is a very sensitive, **compressible product and should not be rolled up tightly**, to prevent creases. A roll core with a diameter of 7.6 cm offers the only option for shipping YUPOTako® rolled up. Otherwise, YUPOTako® should only be shipped lying flat.

INSTRUCTIONS FOR STORAGE AND HANDLING

To **prevent** printing problems caused by **fingerprints**, always wear **gloves** handling with YUPOTako®.

After opening, store YUPOTako® only in closed packaging. Prevent direct sunlight.

If YUPOTako® is to be stored **after an application**, place it back on the **release liner** (or similar material), to prevent the material from sticking together.

2 OFFSET PRINTING

1. The printing side of YUPOTako® WKFS 340 is marked with a white indicating label.
2. **Acclimatize** YUPOTako® under printing room conditions for at least **24 hours prior to unpacking**. Please store YUPOTako® with the printing side face up (!).
3. The ideal printing room conditions are: **relative humidity: 50-60%, temperature: 20-25 °C**.
4. Please treat the material with special care to prevent removing of the release liner. Especially when loading the material into the feeder.
5. Use either paper printing inks or appropriate foil inks. The ink type and thickness of the ink layer affect drying time. For UV inks, use only suitable ink series for synthetic material. UV offset printing can lead to increased electrostatic charge. Please always perform a test in advance.
6. Set the printing pressure to a setting suitable for materials with a thickness of 250µm, because YupoTako is very compressible.
7. Use only as little dampening water as possible. The surface of YupoTako cannot absorb moisture to the same extent as paper. In case of excess dampening on the printed sheet, ink acceptance is diminished little by little. This might compromise the drying process after printing. Therefore we recommend to reduce the dampening in all print units so that the printing begins to "smear / smudge". Then the dampening must be increased slightly, until the "smearing / smudging" disappears. For print jobs with low coverage, coverage can be increased with the placement of an **"ink absorption bar"** at the edge of the sheet. A more stable **ink water balance** is achieved.
8. Special applications require special inks (such as for increased light-fastness). **Dispersion or UV-varnishes** further improve scratch and abrasion resistance.

9. When using **anti set-off powder**, you can generally go by your experience with illustration printing paper. The **particle size** of anti set-off powder should be **15-25 µm**.

XAD 1069 SCREEN PRINTING

Use either **conventional or UV inks** for YUPOTako® XAD 1069. To prevent indents **minimize the suction air supply**. Seal the printing table to optimize the vacuum in the printing area. If you are printing with UV inks, give YUPOTako® XAD1069 enough time to cool down before you print the following colour.

3 DIGITAL PRINTING

XAD 1069 UV INK JET

YUPOTako® XAD 1069 is compatible with most UV-inkjet digital printing machines on the market. Depending on the ink coverage and depending on the type of machine there might be a slight waveing of the carrier material after printing. The adhesion properties are not affected hereby.

WKJ 250 WATER-BASED INKJET

YUPOTako® WKJ 250 is designed for inkjet printing with water-based pigmented inks. Dye-based inks can cause drying problems and patching. High area coverage causes a slower ink drying under certain circumstances. Reduce the ink coverage or consider a longer drying time.

XAD 1082 ECO-SOLVENT INKJET

YUPOTako® XAD 1082 is designed for inkjet printing with low-solvent and eco-solvent inks. YUPOTako® XAD 1082 is not recommended for regular solvent inks. High ink coverage causes a slower ink drying under certain circumstances. Reduce the ink coverage or consider a longer drying time.

XAD 1082 LATEX INKJET

YUPOTako® XAD 1082 is not designed for Latex printing. However, a good result can be achieved with the right machine settings. Ask your paper merchant or YUPO® Europe for recommended machine settings.

XAD 1077 Laser

Some of the latest digital printing machines already offer presets including the ideal settings for printing on XAD 1077. If your digital press does not offer such a preset and the default one does not lead to a satisfactory result, try selecting a preset for films or heavy substrates.

4 FINISHING

LAMINATION RECOMMENDATION

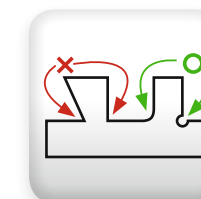
The print must be completely dried or hardened, before you laminate YUPOTako®. Use a lamination film, which meets the protection requirements of the final application.

HOT LAMINATION

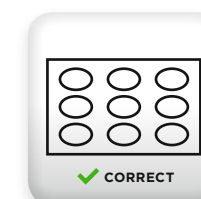
Cold lamination is recommended. In case of hot lamination reduce the temperature and the pressure as far as possible. The lamination film should have adhesive properties as high as possible to ensure good adhesion. Please perform appropriate tests in advance. If laminated YUPOTako® is removed from the application surface, under certain circumstances, curvatures may occur. YUPOTako® is suitable for use as **floor banners**. Please contact us for tested and recommended laminates.

CUTTING

The cutting dies and knives must be sharp and free of notches to prevent tearing.



ALL INSIDE CORNERS AND CUT ENDS SHOULD BE ROUNDED. PLEASE ALWAYS PERFORM ALL CUTTINGS FROM THE PRINT SIDE. THE DESIGN OF THE DIE SHOULD BE AS SIMPLE AS POSSIBLE.



PLEASE PREVENT SHARP CORNERS (ROUND OFF WHERE POSSIBLE) TO PREVENT TEARING.

DIE-CUTTING

The liner is very thin. The spacers must be adjusted very carefully and accurately. Experience is necessary for cutting YUPOTako®. Please carry out testing in advance. The cutting process must be checked regularly to ensure a good quality. Keep enough **distance** between the individual dies (**> 3-4 mm**). Do not use magnetic cutting boards. When **die-cutting** WKFS340, we recommend to use the **"Original Heidelberg Tiegel"**, because both the press form and the counter-pressure form build even surfaces, thus ensuring more accurate cutting depths. The back side (ie. release liner) of YUPOTako® WKFS 340 is comparatively thin and not designed for kiss-cutting. If you intent to kiss-cut make sure to do so along the short grain direction. Prior testing before production runs is strongly recommended.

DIGITAL DIE-CUTTING AND PLOTTING

YUPOTako® can be cut with digital die cutters and cutting plotters.

LASER CUTTING

YUPOTako® can be laser cut.

CUTTING

If you use jumbo rolls (- 300 m), please trim the edges on both sides before printing. Of course, trimmed rolls are available on request. When cutting sheets, make sure to process **small stacks**, to ensure an accurate cutting edge.