

YUPOTAKO® LITE

ADHERES WITHOUT ADHESIVES
TO SMOOTH SURFACES



**TECHNICAL
GUIDEBOOK**



Rev. 13/11-2023



INSTRUCTIONS FOR USE AND WARNINGS

YUPOTako®Lite'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®LITE.

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®Lite: 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®LITE ON SAFETY GLASS. THE GLASS CAN SHATTER DUE TO THE THERMAL INSULATION.

DO NOT MOUNT YUPOTAKO®LITE 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®Lite 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®Lite rolled up. Otherwise, YUPOTako®Lite should only be shipped lying flat.

INSTRUCTIONS FOR STORAGE AND HANDLING

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

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

If YUPOTako®Lite is to be stored **after an application**, place it back on the **release liner** (or similar material), to prevent the material from sticking together. As opposed to the premium YUPOTako® grade WKFS340, YUPOTako®Lite has a limited reusability. It is recommended for single use and short term applications (1-2 months) only.

OFFSET PRINTING

1. The printing side of YUPOTako®Lite WKFS 240 is marked with a white indicating label.
2. **Acclimatize** YUPOTako®Lite under printing room conditions for at least **24 hours prior to unpacking**. Please store YUPOTako®Lite 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 200µm, 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 lite-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**.

FINISHING

LAMINATION RECOMMENDATION

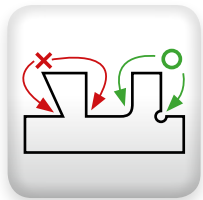
The print must be completely dried or hardened, before you laminate YUPOTako®Lite. Use a lamination film, which meets the protection requirements of the final application.

HOT LAMINATION

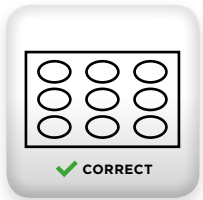
Cold lamination is recommended. YUPOTako®Lite is suitable for use as **floor banners**. Please contact us for tested and recommended laminates.

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®Lite. 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** WKFS240, we recommend to use the **"Original Heidelberger 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®Lite WKFS240 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®Lite can be cut with digital die cutters and cutting plotters.

LASER CUTTING

YUPOTako®Lite can be laser cut.

CUTTING

When cutting sheets, make sure to process **small stacks**, to ensure an accurate cutting edge.

AVAILABLE TYPES

TYPE	THICKNESS Micron	GRAMMAGE g/m ²	PRINTING METHODS
WKFS 240	240	174	Sheet-fed Offset

AVAILABLE SHEETS

TYPE	SIZE	PACKAGING per ream
WKFS 240	1020 × 720 mm, 640 × 450 mm, 640 × 900 mm	100 sheets



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