

YUPO Tako[®]

Sticks to flat surfaces
without adhesive!



PRINTING INSTRUCTIONS

for YUPOTako® XAD 1069, WKJ 250 and XAD 1071

YUPO Europe GmbH, located in Düsseldorf-Germany, would like to thank you for making YUPO® the most popular synthetic paper. This technical guide was developed as part of our proactive focus to educate our customer and assist them at each stage of their synthetic project.

If you have any questions, suggestions, or ideas about this or any other matter, please feel free to contact us.

CHARACTERISTICS OF YUPOTako®:

- Bubble free.
- Special handling or application is not required.
- Easy to apply and easy to remove.
- Due to the micro suction structure YUPOTako® does not use adhesive, therefore there is no sticky feeling and no residue on the surface after removal.
- The suction side of YUPOTako® can be washed with water when the adhesion is weakened by dust, and it can be used as many times as you want.
- YUPOTako® is environmentally friendly and does not use PVC.
- 100% recyclable.
- Not suitable for laser printing.

TYPICAL APPLICATIONS:

Advertisement for electrical appliances shop, specially refrigerators and computers. Posters for department stores. Active campaigns at fast-food restaurants. Floor banners at supermarkets. Advertisement in vending machines. Children games etc.



YUPOTako® GRADES AVAILABLE:

Grade	Thickness (μ)	Grammage (g/m²)	Print method	Ink Type
WKFS 340	320	220	Sheet Offset	Normal Paper, UV-Ink
XAD1069	210	190	Silk screen, UV Digital	Silk screen: PP inks
WKJ 250	220	156	Waterbased Inkjet	Pigment
XAD 1071	285	224	Eco solvent Inkjet	Eco solvent
XAD 1058	240	170	HP Indigo	-
XAD 1057	272	190	Office Inkjet	-

AVAILABLE SIZES (SHEETS):

Grade	Size	Packaging
WKFS 340 - Offset	640 × 900 mm, 640 × 450 mm & 1.020 × 720 mm	100 sheets / ream
XAD 1057 - Office Inkjet	210 × 297 mm	100 sheets / ream

AVAILABLE SIZES (REELS):

Sorte	Size
XAD 1069 - UV Inkjet / Screen	1.270 mm × 300 m
XAD 1069 - UV Inkjet / Screen	1.270 mm × 20 m
WKJ 250 - Waterbase Pigment Inkjet	1.270 mm × 20 m
XAD 1071 - Eco solvent Inkjet	1.270 mm × 20 m

APPLYING YUPOTako®:

- It is better to leave the material unprinted on mounting object (where YUPO Tako® will be applied), when:
 - Mounting object is printed plastic (especially PVC, Acrylic and painted steel), and when YUPO Tako® is to be left on the object for long period of time.
 - High temperature and high relative humidity such as 60°C / 90% RH;
- Applying YUPOTako® on printed coated paper for a long period of time, may damage the coated paper printed image after YUPOTako®'s removal.
- Parts of the YUPOTako® suction layer can remain on the mounting object, but are easily wiped off with a wet towel.
- Not suitable for sticking on 3D objects.
- Not suitable for using as a sticker for cars, as sticker may fall off with wind.
- Not recommended for outdoor usage.
- YUPOTako® can be used in temperatures between -30°C and 60°C. Depending on the surface applied, the results may vary. Prior tests are recommended.
- Clean the mounting object before applying YUPOTako®.
- YUPOTako® should not be used on glass with wire mesh, as this may crack under strong sunlight.
- Attaching it on plasma screens is also not recommended because heat builds up under YUPOTako®, which cannot escape. This could lead to a defect in the focusing screen.



Please perform a corresponding test in advance.

PRINTING , HANDLING AND FINISHING RECOMMENDATIONS: HANDLING AND STORAGE:

- Before printing, handle YUPOTako® always with gloves to avoid marks during printing.
- After opening, store the product wrapped and avoid direct sunlight.
- Handle product with care to avoid the release liner to peel off or wrinkle.
- YUPOTako® is a very sensitive and compressible material. It should not be rolled up, since this would cause wrinkles. The only way to send out a rolled YUPOTako® is to roll it on a core with 7.6 cm diameter. Otherwise, it should be sent only in flat sheets.

XAD 1069 SILK SCREEN:

1. If using jumbo reel (+300 linear meters), slit the sides before printing. Trimmed roles are also available, upon request.
2. Acclimatize YUPOTako to the press-room conditions at least 24 hours before printing. At low temperatures, YUPOTako may curl, keeping the product over 20°C will minimize the effects of curling.
3. Ideal print room conditions: RH 50-60% and temperature: 20-25°C
4. Either conventional or UV inks can be used to print on YUPOTako® XAD 1069. For ink recommendations, please contact your ink supplier or YUPO Europe.
5. Adjust vacuum at printing table to avoid marks during printing. Mask the table to apply vacuum only in the print area.
6. If printing with UV inks, leave the material to cool down before printing next color.

XAD 1069 UV DIGITAL:

1. If using jumbo reel (+300 linear meters), slit the sides edges before printing. Trimmed roles are also available, upon request.
2. Printing on most of UV digital machines in the market should not be a problem with YUPOTako® XAD 1069. For any compatibility recommendations, please contact your machine manufacturer or YUPO Europe.
3. Depending on ink coverage some curling of the release liner can be seen after printing.

WKJ 250 WATERBASE INKJET:

1. Handle YUPOTako® always with gloves to avoid marks during printing.
2. YUPOTako® WKJ 250 is designed for waterbase inkjet printing with pigment inks. Dye inks may cause drying problem and ink blur.
3. Heavy ink coverage may cause slow ink drying. Either reduce ink coverage or allow material to dry flat.

XAD 1071 ECO-SOLVENT INKJET :

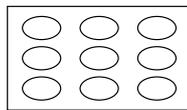
1. Handle YUPOTako® always with gloves to avoid marks during printing.
2. YUPOTako® XAD 1071 is designed for low-solvent and eco-solvent inkjet printing. It is not suitable for regular solvent machines.
3. Pre-test before going into production. For machine compatibility, please contact your distributor or YUPO Europe.
4. Heavy ink coverage may cause slow ink drying. Either reduce ink coverage or allow material to dry flat.
5. Using a dryer from print side is recommendable. Do not use dryer from backside as it may not help the drying time and it may cause the release liner to swell.
6. In case of machine feeding failure, increase the relative humidity in the printing room. This defect can be caused by static.

LAMINATION:

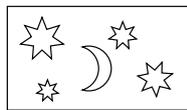
1. Printed image must be completely dried or cured before lamination process.
2. Use a lamination film compatible with the protection you need.
3. For heat lamination, reduce the temperature and pressure as much as possible. Some curling can happen.
4. Lamination film should have a high adhesive coat weight to insure a good bonding strength.
5. When removing a laminated YUPOTako® material from mounting object, some curl can happen.
6. The products of XAD 1069 and XAD 1071 have been improved and now have an improved surface and a 60µ OPP liner. Die cutting is much easier for the products. However, the thicker backing film could lead to wrinkles at large format print jobs. Please test products that are bigger than 1m² before you start production..

DIE CUTTING AND FINISHING:

1. Dies and blades must be sharp and nick-free to prevent tears form developing.
When planning to die cut, all internal corners and ends of any slit should be smoothly rounded.
2. Die cutting
 - Die cut from printing side, not suction side.
 - Not suitable for sharp corner.

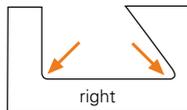


right

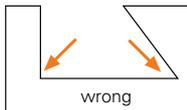


wrong

Corners should be round to prevent tearing. Make the design as simple as possible.



right



wrong

1. Full die cutting
 - Better to leave a small tag to separate the release liner.
2. Kiss cutting (half die cutting)
 - Release liner is thin. Adjust the height of blade carefully by using spacer.
 - Die cutting YUPOTako® requests good die cutting experience. It is recommended to run some pre-tests.
 - Die cutting plate must be constantly adjusted to ensure good quality.
 - Keep enough space between die cut images. At least 3 to 4mm.
3. Digital die cutting
 - YUPOTako® can be cut on digital die cutting and plotter machines.
4. Digital plotters
 - Use round corners. Sharp corners might stop the blade and damage the image.
 - Use sharp blades.

For additional information, please contact YUPO® Europe GmbH or your paper merchant.

YUPO EUROPE GmbH

Willstätter Str. 30 · 40549 Düsseldorf
Tel.: + 49 211-520 54 30 · www.superyupo.com