ALDUS™

HOT FOIL STAMPING MACHINES

Make Ready Materials



machines.aldusgroup.com

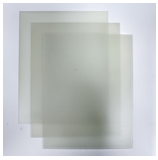
HOT FOIL STAMPING MACHINES

INTRODUCTION

The purpose of the make-ready is to ensure uniform pressure distribution between the face of the stamping die and the substrate for the entire length of the job.

Make-readies must be quick to apply, easy to adjust, and engineered with the appropriate levels of hardness, resilience, and durability for the specific print application. With these requirements in mind—and drawing on the expertise of colleagues around the world—ALDUS™ MACHINES has developed a comprehensive range of make-ready materials.

1. Epoxy Glass Board



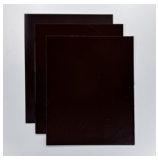
Extremely strong and durable make-ready base for providing very clean and sharp prints. The board is translucent so the position and the condition of spot make-ready can easily be visually checked. This can be used on both platen and cylinder presses. For cylinder machines only use 0.4mm Epoxy glass board, for platens 0.8mm or 0.4mm can be used.

Sheet sizes:

1015mm x 711mm x 0.4mm	60100004
1015mm x 711mm x 0.8mm	60100015
711mm x 500 mm x 0.8mm	60100065

Main advantages:
Very strong, reusable and cost effective

2. Pertinax



Is not as durable as Epoxy glass board make-ready base. It is recommended for both flat stamping and foil embossing. It is especially good for fine detail printing as it gives crisp, clean prints. Excellent base for Prägotherm.

Sheet sizes:

460mm x 305mm x 0.5mm	60100061
711mm x 508mm x 0.8mm	60100062
1220mm x 915mm x 0.5mm	60100063

Main advantage:
Durable

3. Presspahn



Is a good low cost smooth surface make-ready base for flat stamping on short runs. It is especially good for thin sheets of substrate where Pertinax may be too hard and for large solid area foiling. Presspahn reduces the effect of gassing/air entrapment on sealed surfaces due to its cushioned base.

Sheet sizes:

915mm x 850mm x 0.5mm	60100050
915mm x 825mm x 0.8mm	60100052
1000mm x 750mm x 1.0mm	60100012

Main advantages:
Excellent for short to medium runs; reduces effect of gassing

4. Super Press Blanket



A rubber and glass beaded base for flat stamping. Especially good for long runs on cylinders or platens, good for large solid areas as the blanket is slightly permeable allowing the gas to escape so preventing gassing of the foil.

Has a memory so it will always go back to its original shape.

Size:

920mm x 1m x 0.6mm	60100047

Main advantage:
Good for large solid areas

5. SY Blanket



A rubber make-ready base which can be used on cylinder and platen presses. Allows air through, reducing gassing. It can be used with other flat stamping make-ready bases in the ALDUS™ MACHINES range, e.g. Epoxy glass board, Pertinax and Presspahn.

Size:

1500mm x 1m x 0.3mm	60100034

Main advantage:
Good for large solid areas

6. Yellow Coverboard



Provides a quick, clean and very easy to use method for forming a male counter for blind embossing. It can significantly reduce make-ready time when compared to powder techniques which involve prolonged drying time.

Size:

610mm x 482mm x 0.88mm	60100009

7. Hologram Print Base Black



Flexible black print base blanket is used primarily for flat foil stamping on flat bed presses. It provides the cushion necessary to achieve medium to solid foil hologram coverage areas while minimizing "punch" on the back side of the stamped holograms.

Size:

610mm x 610mm	K1472
295mm x 270mm	60100064 / K1473
200mm x 200 mm	K1474

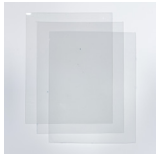
8. Print Base Blue



Flexible self-adhesive blue print base blanket is used primarily for flat foil stamping on cylinder & flat bed presses. It provides the cushion necessary to achieve medium to solid foil coverage areas while minimizing "punch" on the back side of the stamped substrate.

Size:
Various sizes

9. A190 Film

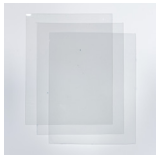


A thin filmic type material on roll, used as a jacket mainly on cylinder presses to protect the make-ready that is already in place.

Roll size:

900mm x 25m x 0.19mm	60100060

10. DIAFOIL® CLEAR



A thin clear filmic type sheet material used as a jacket mainly on cylinder presses to protect the make-ready that is already in place.

Size:

1070mm x 1300mm x 0.18mm	60100005

11. Prägotherm

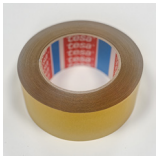


Is a thin sheet of thermoplastic material, which expands, when subjected to heat, to mould itself to the shape of the die. Used for combination foiling and embossing on Platens only.

Sheet sizes:

10 sheets 200mm x 200mm	60100071
25 sheets 400mm x 200mm	60100072

12. Die Mounting Tape



A heat activated tape for adhering dies to the press. It is also used for adhering foam and embossing plastic for support on cylinder presses.

Roll sizes:

100mm x 25m	60510025
50mm x 25m	60505025
100mm x 55m	60510055
50mm x 55m	60505055

13. Die Cleaning Stick



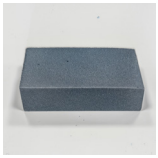
Die cleaning sticks are an easy low cost method for keeping dies clean. The plastic covered fibre glass acts as a rubbing agent removing all residue from the dies.

The cleaning sticks should only be used on copper and brass dies, they may scratch and mark soft magnesium dies.

Size:

200mm x 20mm	60400001

14. Die Cleaning Block



A soft rubber bonded abrasive block, suited for cleaning larger areas on flat stamping dies from residue such as foil, pigment or paper of the printed sheets.

Size:

80mm x 50mm x 20mm	60400002

15. Polyurethane Sheet



Polyurethane is used as a make-ready board for flat stamping large, solid areas. Recommended to be used in conjunction with polyurethane tape.

Not recommended for fine detail.

Size:

610mm x 610mm x 1.5mm	60100048

Main advantage: Large solids on platens

16. Toggle Hooks



Sterling toggle hooks are used in honeycomb plate mounting systems and are the industry's highest quality standard for locking and registering embossing and foil stamping dies into position.

Standard Size:
Used with honeycomb chases with a thickness of 17mm-19mm

Low Height Size:
Used with honeycomb chases with a thickness of 13.7mm-17mm

	Standard	Low height
Toggle hook #0	60300000	60303005
Toggle hook #1	60300001	60303001
Toggle hook #2	60300002	60303002
Toggle hook #3E	60300003	60303003
Toggle hook #4	60300004	60303004

17. Toggle Key



Toggle key including 1 bit. The toggle key is used to lock toggle hooks up against the die.

Art.nr.	60300006

18. Toggle Bit



Replacement bits for the toggle key.
The damaged bit is easily removed and replaced.

Art.nr.	60300007

USAGE GUIDE

PLATEN MACHINES

Stamping Type	Detail work	Medium / large area
Flat Stamping	Epoxy or Pertinax	Epoxy, Pertinax, Super Press Blanket, Presspahn, SY Blanket, Polyurethane Sheet, Print Base Blue
Foil & Embossing	Epoxy or Pertinax with Prägotherm	Epoxy or Pertinax with Prägotherm
Blind Embossing	Epoxy or Pertinax with Coverboard	Epoxy or Pertinax with Coverboard
Holograms	Hologram Print Base Black	Hologram Print Base Black

CYLINDER MACHINES

Stamping Type	Detail work	Medium / large area
Flat Stamping	Epoxy	Epoxy with Super Press Blanket or Presspahn
Foil & Embossing	Epoxy with Embossing Plastic, Epoxy with Embossing Counter Die	Epoxy with Embossing Plastic, Epoxy with Embossing Counter Die, A190 film and DIAFOIL®
Blind Embossing	Epoxy with Yellow Coverboard	Epoxy with Yellow Coverboard

ALDUS™ MACHINES' range of make-ready materials has been carefully selected to help users achieve consistently high-quality print performance while improving overall productivity.

As part of the ALDUS™ GROUP of companies, ALDUS™ TRANSFER provides an extensive portfolio of Hot Stamping Products.

More information can be found here:
transfer.aldusgroup.com

For further information please email the ALDUS™ MACHINES Team:
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We reserve the right to technical modifications.



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