

ALDUS™

# StarFoil

TECHNOLOGY

Make Ready Materials



# 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—Starfoil Technology 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.

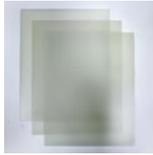
### Sheet sizes:

1015mm x 711mm x 0.4mm  
1015mm x 711mm x 0.8mm  
711mm x 500 mm x 0.8mm

60100004  
60100015  
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  
711mm x 508mm x 0.8mm  
1220mm x 915mm x 0.5mm

60100061  
60100062  
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  
915mm x 825mm x 0.8mm  
1000mm x 700mm x 1.0mm

60100050  
60100052  
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:

900mm 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 Starfoil Technology range, e.g. Epoxy glass board, Pertinax and Presspahn.

### Size:

1500mm x 1m x 0.3mm

### Main advantage:

Good for large solid areas



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## 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  
295mm x 270mm  
200mm x 200 mm



K1472  
60100064 / K1473  
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  
25 sheets 400mm x 200mm



60100071  
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.



60510025  
60505025  
60510055  
60505055

### Roll sizes:

100mm x 25m  
50mm x 25m  
100mm x 55m  
50mm x 55m

## 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



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**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



Toggle hook #0  
Toggle hook #1  
Toggle hook #2  
Toggle hook #3E  
Toggle hook #4

**Standard**  
60300000  
60300001  
60300002  
60300003  
60300004

**Low height**  
60303005  
60303001  
60303002  
60303003  
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

Starfoil Technology's 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, API Transfer Technologies provides an extensive portfolio of Hot Stamping Foils. More information can be found here: [www.apitransfer.com](http://www.apitransfer.com)

For further information please email the Starfoil Technology Team: [service@starfoil.com](mailto:service@starfoil.com)

We reserve the right to technical modifications.

# StarFoil

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