

# HUDSON'S GOOD

# impressions



Printing & Graphic Arts Products, Equipment & Hints from A.E.HUDSON

APRIL 2000

**GI** GRAPHIC  
IMPORTS

## Laminate It!

with GI Blue Label Laminators

- Large range
- Roll & Pouch models
- Hot & Cold laminators
- Business card size through to large format posters



## Bind it!

with GI Blue Label Binding Machines

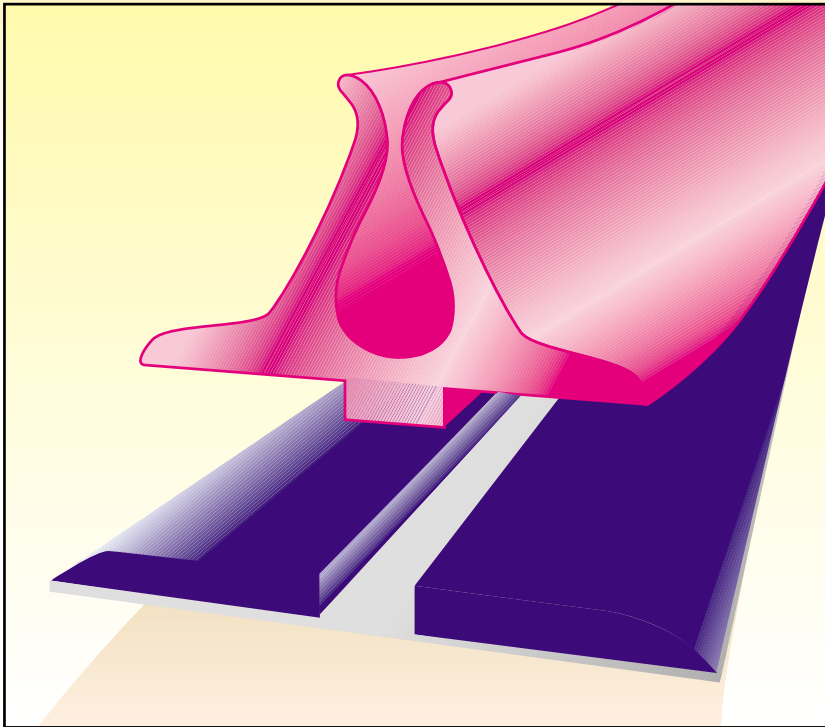
- Comb binding
- Wire binding - 2.1 & 3.1 pitch
- Thermal binding
- Large model range
- Thermal tape binding - copy binder



GI Blue Label Consumables from Hudson's



# Trimplex is the Matrix for Folding Cartons



## Self-locating Creasing Matrix 3 Types Available

### **X-PRESS**

(Steel Base)

### **KISS CREASE**

(Plastic Matrix)

### **PRONTO**

(Paperboard Matrix)

Trimplex creasing matrix, in three distinct types, is at the forefront of creasing technology.

Manufactured under a stringent 'total quality' process, you can be assured of 100 per cent accuracy of the channel size and guaranteed of the register between creasing rules and matrix. Tapered edges are standard on all sizes and colour coding eliminates mistakes in use.

Trimplex from Hudson's has become the first choice for leading box makers and print finishers.

## Tips on Blankets!

**Why do you have good dots on the plate but poor dots on the paper?**

There is no one simple answer, as any experienced press operator will verify, but a good blanket is essential. It is the medium of transfer between the plate and paper, so it stands to reason that unless the blanket itself and the blanket settings are right a good plate dot cannot be reproduced on to the paper.

A quality offset blanket should possess certain characteristics. The caliper or thickness should not vary more than  $\pm 0.02$  mm across the blanket with a tack-free surface offering instant release of the paper.

*The hardness of the blanket is measured in two ways:*

**a) Shore Hardness**

**b) Micro Hardness**

Shore hardness of compressible blankets is affected dramatically by the type and thickness of the blanket's compressible layer. Micro hardness, however, is the measurement of the face of the blanket, unaffected by the construction of the carcass.

A blanket with a low shore hardness reading (i.e. soft), will normally have excellent smash recovery properties, whereas a blanket with a high micro hardness reading will normally have the better release qualities.

Green Velvet is a compressible blanket with a satin smooth and harder surface than some other compressible blankets. This ensures instant stock release and excellent reproduction of high quality halftone work. The closed cell compressible layer provides good packing latitude and smash recovery.

Available in gauges of 1.93 mm and 1.68 mm, the shore hardness is compressible,  $76 \pm 2^\circ$  Shore A, while the micro hardness is 63-68°. We recommend this blanket for all sheet fed presses from the smallest to the largest.

For optimum printing results, additional packing of 0.05 mm should be placed under Green Velvet compressible blankets, which are available from Hudson's, the Australian supplier.

# SMOOTH-LITH ANTI-OFFSET & SMOOTH LAY COMPOUND



## An ink additive that:

- Reduces Tack
- Improves Ink Flow
- Aids Drying
- Prevents Picking

A can of Van Son Smooth-Lith can save many a headache! It is a smooth lay and anti-offset which, being liquid, mixes easily with all brands of ink.

Being almost colourless it will not alter the colour of the ink.

Smooth-Lith will lower the viscosity of the ink so is an ideal additive when printing large solids. It reduces tack, which will prevent picking, and helps to reduce set-off while ensuring that there is a smooth lay down of the ink on the sheet.

Van Son Smooth-Lith also assists in keeping halftones and reverse type open, and will prevent sheets sticking to the blanket.

Order your Van Son Smooth-Lith from Hudson's. Code: 294-2150



## Intergran Spray Powders

### Powder Selection

The Intergran range of high performance spray powders includes five grades selected to meet most needs.

Grades are classified by two parameters: effective particle size and the material from which it is made.

Water soluble vanishing grades should be used with water-based varnishes and standard grades with UV varnish.

### Standard Intergran (Grades 1 & 2)

Partly soluble powders in two particle sizes to cover a broad range of letterpress and litho applications. Their main advantage over other competing powders is their high degree of particle size uniformity giving good set-off protection with only a minimum of powder. Use standard grade when backing up as coated powders can cause sticking problems on a second pass.

Grade	Mean		Packaging	Code
	Particle Size			
1	14 micron		3 kg can	220-315
1	14 micron		20 kg drum	220-315-20
2	50 micron		4 kg can	220-316
2	50 micron		25 kg drum	220-316-25

### Vanishing Intergran (Grade 1B)

A highly soluble powder offering distinct advantages in offset printing. Vanishing powder dissolves after the anti set-off function is finished, which facilitates subsequent varnishing or laminating operations.

This powder, rapidly absorbed by the moisture on the offset blankets, allows second passes to be made without problems of plate wear and blanket piling. For subsequent laminating and varnishing (not UV) the finely particled Varnishing 1B is particularly recommended.

Spray equipment should be flushed with dry air before starting up and at the end of the day, to prevent clogging caused by condensation.

Grade	Mean		Packaging	Code
	Particle Size			
1B	20 micron		3 kg can	220-318
1B	30 micron		20 kg drum	220-318-20

### Coated Intergran (Grades 100 & 200)

These starch-based powders are coated with a water repellent resin to give the following practical advantages:

- Improved set-off protection.
- Smoother feel to finished work.
- Improved powder flow.
- Less blanket piling.
- Can be used with solvent based varnishes.

Grade	Mean		Packaging	Code
	Particle Size			
100	16 micron		3 kg can	220-319
100	16 micron		20 kg drum	220-319-20
200	50 micron		4 kg can	220-320
200	50 micron		25 kg drum	220-320-25

## A TIMELY TIP DRYING INK FASTER ON LARGE PRESSES

X + Y = DRY is an ink drying additive which is popular with larger press users for mixing into oil base inks.

It works by creating and spreading a source of oxygen throughout the ink. This oxygen is formed and released when the treated ink comes into contact with water, which promotes rapid drying.



- Rapid curing of ink
- Improves rub resistance
- No loss of gloss
- Reduces the use of spray powder
- Works with all metallic inks
- Works with all oil-based inks
- Speeds up ink drying

X + Y = DRY ensures drying throughout the ink film, unlike traditional driers which tend to leave a skin on the surface, but undried ink underneath. It will not produce the 'show through' effect often caused by fast-drying inks and it does not affect ink gloss.

Easily measured, X + Y = DRY is added to the ink, in the tin or in the duct, and is suitable for any inks or substrates that present drying problems. It comes in a two-tube package that, when mixed, will treat approximately 110 kg of ink.

Code: 244-10163

**X + Y = DRY ISN'T NEW!  
IT'S ANOTHER PROVEN  
PRODUCT FROM  
HUDSON'S THAT WORKS.**



# Tough Tex

**The specialty offset ink for printing on non-porous surfaces.**

**Suitable for Every Size Press When Printing on Difficult Stocks**

**Including: Foils, Plastics, Synthetic Stocks and Self Adhesive Vinyls.**



Van Son Tough Tex is a special purpose ink that is designed for use on non-porous surfaces. Plastics, mylar and foils are some of the synthetic stocks that require an ink such as Van Son Tough Tex. Because there is no absorption of ink into non-porous stocks, ink must dry by oxidation.

Available in process and Pantone colours, plus silver and gold, Tough Tex is the ink that will dry to a brilliant glossy finish. Great for waterproof labels, bumper stickers, signs, menus and tags or virtually anything that must stand up to repeated handling and exposure to the elements.

When printing on such unfriendly surfaces a little more care should be exercised. These types of stocks are usually quite expensive and reprints can be costly. Simple yet full instructions on the use of Van Son Tough Tex are available from Hudson's.

Tough Tex can also be used on chromolux and conventional coated paper when the drying properties of standard quickset inks are insufficient. Apart from the silver and gold inks, it is safe to use in laser printers.

Tough Tex will anchor to most materials without a fibrous structure that do not absorb ink and fountain water. The special varnishes of Tough Tex help it dry by oxidation to a hard finish. Tough Tex inks are free of aggressive solvents, which could harm ink rollers, rubber blankets or the surface of the substrate.

Turning away printing on non-porous stock is turning away profit. With Van Son Tough Tex ink you will be able to print on most unfriendly surfaces with absolute confidence.

## PANTONE™ The PANTONE Library of Color Formula Scales



SIMPLY THE BEST WAY TO MATCH PANTONE COLOURS

**PRE-PROGRAMMED FOR THE PANTONE 1000 SERIES COLOUR RANGE**

The PANTONE Formula Scales provides users with the ability to match more than 1000 colours at their fingertips.

Thanks to the unique combination of digital electronic weighing scales and computerised electronics, mixing accurate PANTONE colours has never been easier or quicker.

Built-in diagnostic and error checking routines ensure that the formulae are correct and that colours can be mixed accurately.

This attention to detail, combined with precision weighing and almost foolproof operation, ensure accurate ink formulations time after time.

The PANTONE Formula Scales have all the PANTONE formulae programmed into memory. The precise weights of the basic colour inks needed for the mix are calculated automatically.

**To operate, users just key in the PANTONE number and the quantity of ink required, then step through the weighing sequence. It's as simple as that!**

™ Pantone, Inc.'s check-standard trademark for colour reproduction and colour reproduction materials.

Process colour reproduction may not match PANTONE-identified solid colour standards. Refer to correct PANTONE colour publications for the accurate colour.

**THE PANTONE FORMULA SCALES - AVAILABLE FROM HUDSON'S**

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