

## Polyart Textured Printing Tips

### Inks

Full oxidation drying inks and matt coated paper inks can be used.

UV cured inks and IR systems also give very good results.

### Ink Film Weight

Heavy ink films should be avoided and, where possible, under colour removal (ucr) should be used.

### Expected Ink Drying Times

There is no difference in drying times between Standard and Textured Polyart.

### Printing on Press

Polyart Textured will require precise and specific press settings to achieve the best results.

**Polyart Textured is a one sided sheet**, the printer must ensure that the sheets are loaded the correct way up. They must NOT be turned over whilst loaded on press.

Textured sheets will need the correct impression settings to allow the inks to “bottom out”.

Regular press blankets, such as compressible and semi compressible, will both give good results.



Polyart Textured « not bottomed out »



Polyart Textured « correct bottomed out »

## Printing on Press

Due to the textured finish, printing inks need to “bottom out” in the valleys and peaks within the sheet surface. Once the correct impression settings are obtained and maintained, no further changes should be required.

Heavier ink films will not create bottom out effect, they could create set off on the reverse sides within the printed stacks.

Higher anti set off spray settings of regular particle size spray powders should be used. Alternatively carton grade powders of 50 micron will perform well.

It is not recommended to print large stacks. Textured finish has raised surface area which could promote set off.

Ensure that press joggers are not set tight to the printed stack.



Excessive printing pressure (impression) register is lost

## Coating & Varnishing (opv)

**UV printing and varnishing** is possible, but if the application will require folding and creasing we do not recommend this option as there is a severe risk of cracking along the crease/fold.

UV varnish is not as flexible as oil based or water based opv products and cracking will almost certainly occur. This will happen on all substrates, not just Polyart or other synthetics.

**Both in-line emulsion coating and varnishing** can be carried out to offer the textured surface protection against scuffing and abrasion. They will give the best results but in case of folding and creasing the risk of cracking cannot be completely dismissed.