

Table 6 - Lithographic ink for paper

| Ingredient | Function | Amount / % w/w |
|----------------------------------|--|-----------------------|
| organic pigment | coloured pigment | 18.00 |
| quickset varnish | | 40.00 |
| gloss varnish | | 15.00 |
| fast setting varnish | | 15.00 |
| polyethylene wax paste | prevents damage to the ink film from rubbing | 5.00 |
| anti set-off paste | | 3.00 |
| cobalt / manganese driers | catalyses drying oil oxidation | 1.00 |
| 280 - 320°C petroleum distillate | high boiling point solvent | 3.00 |

Table 7 - U.V. curing lithographic ink for paper

| Ingredient | Function | Amount / % w/w |
|------------------------------------|---|-----------------------|
| C.I. pigment blue 15:3 | blue pigment | 16.00 |
| C.I. pigment black 7 | black pigment | 4.00 |
| epoxy acrylate resin | binder | 30.00 |
| fatty acid modified epoxy acrylate | binder | 25.00 |
| tripropylene glycol diacrylate | binder | 8.00 |
| benzophenone | photosensitiser | 8.00 |
| 2-chlorothioxanthen-9-one | photosensitiser | 3.00 |
| aromatic amine | alkali - controls the viscosity and solubility of the resin | 4.00 |
| additives | waxes, antioxidants etc. | 2.00 |