



UNIT 11 HAZELFORD WAY INDUSTRIAL ESTATE, NEWSTEAD,
NOTTINGHAM, ENGLAND. NG15 0DQ
+44 (0) 844 414 0987 - info@printchem.co.uk - www.printchem.co.uk

Oil Based Sealers

Overprint varnishes (OPVs) are coatings applied to an already printed sheet or web. The primary reasons for applying an OPV are gloss enhancement; stain resistance; rub or scuff resistance; and resistance to discoloration from absorption of impurities in the environment. Oil based Varnishes are described as such because they are based on oleoresinous alkyds and are similar to lithographic paste inks although more commonly without any pigmentation. Oleoresinous OPVs are typically high viscosity and are therefore applied via the ink duct (usually the end spare one), of an offset lithographic press as a final layer to seal the printed matter.

The Range

Product	Brief
PC100 Matt OPV	Matt Finish. Suitable for spot varnishing. Low tack, quick setting and fast drying; scuff and mark resistant. Suitable for coated papers and boards.
PC110 Silk OPV	Oil based pigmented Silk/Satin finish lithographic sealer designed to protect printed matter from the abrasive nature of matt coated papers and boards. Quick setting, of medium viscosity and designed to remain "fresh" in the duct with sufficient structure to prevent duct seepage. Can be perfected. Designed for printing wet on wet onto coated papers and boards.
PC120 Neutral OPV	Oil based neutral finish lithographic sealer designed to protect printed matter from the abrasive nature of matt coated papers and boards. Quick setting, of medium viscosity and designed to remain "fresh" in the duct with sufficient structure to prevent duct seepage. Can be perfected. Designed for printing wet on wet onto coated papers and boards.
PC130 Hard Dry Neutral OPV	Fast drying vegetable oil based neutral finish sealer designed for protecting print on less pervious substrates. Dries quickly enabling "work and turn" processes. Protects against cutting and folding damage. Can be printed wet on wet or wet on dry. High solids content, pigmented with good rub resistance. Not suitable for UV over varnishing.
PC140 Gloss OPV	High Gloss finish. Good levelling properties and high gloss. Quick drying and suitable for coated papers and boards. Low viscosity.
PC150 High Gloss OPV	High gloss overprint varnish based on low odour materials for use in food packaging work. Good levelling and non yellowing properties with a rub resistant finish, quick drying, suitable for coated papers and boards. Can be printed wet on wet or wet on dry via the roller train or a coater. Low viscosity.
PC160 Scratch Off OPV	Oil based overprint varnish designed for overprinting with silver latex ink for scratch off lottery and gaming tickets. Medium viscosity and quick setting.
PC170 Matt Heatset OPV	An oil based overprint varnish with low tack and a lightly structured body. Based on low boiling point distillates, is very quick setting at lower oven temperatures. Dries to a matt finish and is suitable for most medium weight coated/calendered papers. Can be printed using a coater or lithographically.
PC180 Satin Heatset OPV	An oil based, pigmented overprint varnish with low tack and slightly structured body. Based on an aromatic free low boiling point distillate, is very quick setting at lower oven temperatures. Dries to a satin finish designed to protect print in re-reel, cutting and folding operations and is suitable for most medium weight coated/calendered papers. Can be printed using a coater or lithographically.
PC190 Gloss Heatset OPV	An oil based overprint varnish with low tack and a lightly structured body. Based on low boiling point distillates, is quick setting at lower oven temperatures. Dries to a gloss finish and is suitable for most medium weight coated/calendered papers. Can be printed using a coater or lithographically.

Additives

A range of high performance additives including **antioxidants** for use in the prevention of oxidation and skin formation, both in the can and on press. **Water Active Drier** for accelerated drying, especially on non-porous substrates, active in the presence of fount solution. **Wax Paste** for increased slip and rub resistance and **gel reducer** for viscosity reduction.

Further technical information such as shelf life, storage, handling etc can be found on our Technical data sheets.

For further information regarding this or other product ranges please contact the team at Printchem: info@printchem.co.uk