

ECS setting the standards in pressroom solutions

Oil Based Overprint Varnish Range

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.

Our range of Oil Based Varnishes offer the following advantages:

- Full range of finishes from matt-high gloss with different properties available such as high rub resistance and quick drying.
- Almost any printer can use them – no need for dedicated coater units as are needed with UV Varnish and waterbased coatings.
- Low tendency to yellowing or spoiling printwork.
- Can be used as flood varnishes (whole sheet), or spot varnishing to add contrast effects.

Core Range

Product	Characteristic properties
OB100 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.
OB300 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.
OB500 Gloss OPV	High Gloss finish. Good levelling properties and high gloss. Quick drying and suitable for coated papers and boards. Low viscosity.
OB800 Matt Drip Off OPV	Specialist matt OPV for use with waterbased coating or UV Varnish inline to create drip-off effect, to add value to the printed work.



If you have any specific properties or product types required then please contact our sales department on sales@ecsnotts.co.uk