



*The Ink Makers - Since 1786*



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### Shackell Edwards®

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Shackell Edwards® manufacture the market leading **Silkoseal®** Silk Sealer and supply lithographic offset printing inks, varnishes, coatings, blankets and pressroom chemicals to commercial and packaging printers throughout the UK and the World.

# SILKOSEAL®



## SILKOSEAL® - BIOSEAL

Shackell Edwards® hold the exclusive licensing agreement for incorporating the Bioseal ANTIMICROBIAL ingredient into their range of over print varnishes. The Bioseal ingredient is capable of dramatically reducing harmful infection levels on printed surfaces with an industry leading 99.999% kill rate on harmful bacteria such as MRSA, E-Coli, Salmonella, Listeria and Streptococcus variants.

Importantly the use of this ingredient has no adverse impact upon print quality, the printing process, or the printing press. The Bioseal formulation has been designed for a clinical environment and therefore makes it ideal for all forms of print used in hospitals, doctor surgeries, care homes and schools.

- Pharmaceutical print including outer packaging and instruction leaflets
- Menus & stationery
- Point of sale items
- General packaging
- Magazines & books

### SAFE TO TOUCH PRINT

This logo is available for you to use when printing a job using a Silkoseal Bioseal coating product.

Please contact your representative for more information.

## SILKOSEAL®

Shackell Edwards® has built a considerable global reputation in the manufacture, sale and distribution of commercial printing inks, oil based varnishes, blankets and other press related consumables.

The use of oil based over-print varnishes (OPV) for offset printing has grown significantly in recent years. There are dual benefits of using oil based OPV. Firstly, they can enhance the appearance of the printed item by creating an overall or spot, matt or gloss varnish effect. Secondly, the use of an oil based varnish will also help protect the printed product during creasing, cutting, bindery processes and ultimately extend its lifespan.

Silkoseal is one of the UK's leading brands of oil based over-print varnish and has maintained this position through ongoing development and refinements in line with modern printing press requirements. This premium product range has been developed to help the printer optimise and improve their performance on press and help create superb finished print results.

The Silkoseal family consists of a wide range of finishes and formulations:

- Clear
- Matt
- Top Gloss
- Quick Set
- Superset
- Hard Dry
- Hard Dry Plus
- Laser Sealer

All Silkoseal products are available in: 2kg Cartridges, 2.5kg Tins, 10kg Buckets, 190kg Drums.

### SILKOSEAL RANGE OVERVIEW

Product Type	Description	Gloss	Matt Effect	Setting	Rub Resistance	Suitability for Perfecting
Clear	Unpigmented OPV designed to overcome the abrasive nature of matt substrates. Ideal for reducing marking and scuffing during finishing.	3	3	3	3	5
Matt	Low tack, deep matt varnish with excellent water whiteness and good rub / polish resistance.	-	5	3	3	5
Top Gloss	A machine varnish that gives the highest levels of gloss combined with rapid drying. Ideal for high quality spot varnishing work.	5	-	2	3	4
Quick Set	A versatile all purpose sealer.	3	3	3	3	5
Super Set	The very fastest setting neutral/satin OPV designed for "fast work and turn" print operations.	3	3	5	3	4
Hard Dry	This high solids, vegetable based hard drying inconspicuous OPV is designed for optimal performance during finishing processes.	3	3	4	5	3
Hard Dry Plus	Vacuum packed version of the popular Silkoseal Hard Dry OPV, offering duct fresh characteristics with hard drying performance.	3	3	4	4	5
Laser Sealer	Designed to Xerox and IBM guidelines with hard drying characteristics and suitability for a variety of "difficult" substrates.	3	3	4	5	-

1 = Characteristic weakly expressed 5 = Characteristic strongly expressed  
The testing of the OPV properties were conducted under controlled printing conditions.



## QUALITY AND EXPERTISE

As the countries oldest ink maker since 1786 we have a commitment to product quality and consistency which we deliver through:

- Technical advice and support to finger-print presses to achieve ISO 12647/2
- Complete press room pre-trial audits - including press types, water quality, substrates used and types of work being printed. This ensures the correct ink and fount selection tailored to individual customer requirements
- Preventative maintenance - through ongoing regular technical visits and chemistry audits to ensure water treatment and fount parameters remain within specification, ensuring optimum product performance and consistency
- Full laboratory testing facilities for testing both inks and paper to ensure correct ink selection for individual / problematic substrates