

Low Energy Range

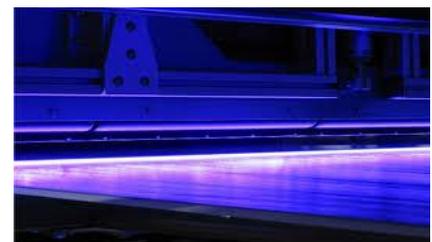
ECS has been working in conjunction with many printers in the UK and abroad to develop varnishes that are suited to the low energy markets, including Komori H-UV and Heidelberg LE presses, as well as more recently, LED cure varnishes, which use lamps in the wavelength 385nm-405nm.

Low-E range:- Low-E varnishes are a relatively new technology that we are currently expanding. Low-E varnishes are specialist UV curable varnishes designed for Komori HUV, Heidelberg LE and other low energy output presses that are becoming a more popular alternative to typical mercury curing, ozone-emitting UV Varnish presses. These particular varnishes are exceptionally high in reactivity to enable lower energy iron doped UV lamps to be used. Whereas a typical UV press may consist of 2-3 banks of mercury curing UV lamps, these low energy systems rarely have more than the one lamp, which does not emit ozone making them cheaper to run from an energy perspective, as well as safer to use.



	Gloss	Reactivity	Gluable/ Stampable	Bzo Free?	Additional Properties
HCURE100 Low-E Matt Varnish	2	10	Low	Yes	General Purpose Matt Varnish with good all round properties.
HCURE300 Low-e High Gloss Varnish	9	10	Low	Yes	General Purpose High Gloss Varnish suitable for a variety of applications
HCURE310 Low-E High Gloss HS Stampable	9	10	High	Yes	A foil stampable, gluable high gloss varnish, with good flexibility, and high slip.

LED Varnishes:- Our LED range are highly reactive UV based varnishes for LED specific technology emitting light wavelengths in the region of 385nm-405nm and utilize LED lamps rather than mercury based lamps in standard UV printing. Designed for wet on wet or wet on dry printing over LED specific inks.



	Gloss	Reactivity	Gluable/ Stampable	Bzo Free?	Additional Properties
LEDUV8 High Gloss LED Varnish	10	9	Low	Yes	High gloss and non-yellowing varnish.
LEDUV9 High Gloss Gluable LED Varnish	9	9	Good	Yes	Gluable/Foilable High Gloss LED cure varnish.
LEDUV10 Matt LED Varnish	2	9	Good	Yes	Matt finish, and suitable for gluing and foil stamping.

ECS setting the standards in pressroom solutions



Pressroom Chemicals:- Our L.E. range of pressroom chemicals are designed to offer printers a standard range of solutions to enable efficient cleaning and maintaining of their Low energy inks and varnish systems, and are suited to LED, LE and H-UV inks and varnishes. Furthermore these chemicals are all free from hydrocarbon solvents using high quality raw materials. Below is the standard range, but if required we can always offer alternatives to suit specific customer requirements:

	Flashpoint	Water miscible?	Additional Properties
C990 L.E. 30 Wash	32C	Yes	<i>Fast evaporating water miscible wash for cleaning and rejuvenating blankets and rollers. EPDM safe</i>
C991 L.E. 60 Wash	67C	Yes	<i>Medium evaporating version of C990</i>
C992 L.E. 85 Wash	85C	Yes	<i>Slow evaporating version.</i>
C997 L.E. UV MRC	36C	Yes	<i>Fast evaporating for cleaning dampening and metering rollers – EPDM safe.</i>
C994 L.E. Plate Cleaner	>61C	Yes	<i>Highly effective plate cleaning chemical suited to most plate types.</i>
C995 L.E. Anilox Gel	>100C	Yes	<i>Deep Cleaning gel for anilox rollers. Can be left for long periods to deep clean anilox cells.</i>
C996 L.E. Roller Paste	>100C	No	<i>Deep Cleaning paste for rollers. Safe to use on most roller types and reinvigorates the rubber surface.</i>
DM296 L.E. Fount	>100C	Yes	<i>Standard low energy fount solution to be used with alcohol.</i>
DM297 L.E. Fount AF	>100C	Yes	<i>Low energy fount solution for alcohol free/reduced printing.</i>

Other finishes and properties are available for both Varnish ranges. If you have any specific properties or product types required then please contact our sales department on sales@ecsnotts.co.uk