

# ECS setting the standards in pressroom solutions

## UV Varnish product range

**Packaging :** A comprehensive range of UV Curable Varnishes covering the commercial to the high specification to fulfil the needs of any packaging producer.. The majority of the following can be utilized wet-on-wet inline over UV inks and offline over conventional/hybrid inks.



	Gloss	Reactivity	Suitability to gluing and foiling	Bzo Free?	Additional Properties
U100 Matt UV Varnish	2	7	Low	No	Good chemical resistance, general purpose Matt UV. Also available in gluable/foilable version.
U200 Silk UV Varnish	4	7	Low	No	Non-enhancing/neutral finish with good reactivity and resistance properties.
U301 High Gloss UV Varnish	8	7	Low	No	Good chemical resistance, all purpose high gloss.
U331 High Gloss Offline UV Varnish	8	8	High	No	Foil Stampable/Gluable High Gloss, with good slip and excellent levelling for difficult substrates/inks.
U322 High Slip Gloss UV	8	8	Very Low	No	High slip version of U301 for increased scuff resistance and slip.
U103 BF Blockable Matt UV	2	8	High	Yes	Gluable/Foil stampable low odour, matt with high reactivity. Also available U102 as a general purpose version.
U202 BF GP Silk UV	4	8	Low	Yes	Silk/Satin finish for a non-enhanced/neutral look.
U303 Bzo Free High Gloss	9	8	Low	Yes	Low odour, low yellowing general purpose high gloss V.
U304 BF Blockable High Gloss	8	8	High	Yes	Gluable/ Hot foil stampable version of U303
U343 High Slip Bzo Free UV	8	9	Very Low	Yes	Low odour, high reactivity and high slip for processing with increased protection.
U186 Fast Cure Smooth Matt UV	3	7	High	Yes	Based on easy-to-matt acrylates these systems do not contain high amounts of matting agents like typical matt UV Varnishes, making them easier to agitate and work with.

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## Specialist Applications

Listed below are more specialist applications of commonly used varnishes of ours, which are also available with different properties according to request.

	Gloss	Reactivity	Suitability to gluing and foiling	Bzo Free?	Additional Properties
U740 Jetweb High Gloss UV Varnish	9	9	Low	No	High reactivity and wetting for high speed processing over oily heatset inks.
U108 Matt Dry Offset UV	2	7	Low	No	Matt varnish for dry offset application via the spare ink duct.
U309 High Gloss Dry Offset UV	8	7	Low	No	High Gloss version of U108.
U189 Ultra Matt UV Stampable	1	7	High	No	Ultimate smooth matt appearance of <5 gloss points.
U481 High Cure WP Gloss UV	7	8	Low	No	High scuff and rub resistance for whiskey bottle packaging (and other alcohol beverages).
U409 Release Gloss	8	8	Very Low	No	High release surface making it suitable for lottery scratch cards etc.
U411 Bookjacket Lacquer	8	7	Low	No	Highly flexible with increased crease and crack resistance for book covers.
U739 High Gloss Digital UV	9	9	Low	No	High wetting high hold out for digital coaters.
U187 High Matt Digital UV	1	7	Low	No	Excellent levelling over digital inks and substrates.
U404 High Adhesion Gloss UV	8	7	Low	No	High adhesion to a variety of plastics including PP, PE, etc

**Cleaning chemicals** – many others also exist to suit all pressroom needs and requirements.

Product	Description
<i>C785 UV Anilox Cleaner (NEW)</i>	deep cleaner in gel form to dissolve dried UV deposits.
<i>C806 Fast EPDM Wash</i>	fast evaporating but still safe for EPDM as well as Nitrile compounds.
<i>C805 Elite UV Wash</i>	Slow evaporating with increased penetration, FOGRA approved wash for UV inks and varnishes.

## Additives

Product	Description
<i>AD002 Wetting Silicone</i>	improves surface slip and wetting over inks and substrates reducing cratering effects.
<i>AD007 UV Liquid Initiator</i>	Increase drying of UV Varnish.
<i>AD008 UV Antifoam</i>	reduces aeration enabling faster pumping.