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UV Varnishes

The highest gloss and transparency is possible using UV Varnishes and here at Printchem we offer a full range to meet all application requirements, whether it be high gloss for magazine printing, or flat matt for business cards, we have a range to compliment any UV printer including additives and detailed below are some of the core range, although we can cater to any particular requirement. Printchem UV Varnishes are VOC free and high in solids giving the highest possible quality at competitive prices. Those detailed below are also available in different specifications, including alternative viscosities, reactivity, gluability/foilability and benzo free or not.

Core Range

<u>Code</u>	<u>Description</u>	<u>Viscosity</u>	<u>Gloss</u>	<u>Slip</u>	<u>Application method</u>	<u>Glueable / Hot Foil Stampable</u>	<u>Reactivity</u>	<u>Brief</u>
PCUV1250	High Cure Blockable UV	35 – 40	80 – 90	0.40 – 0.50	Anilox/Coater	Yes	High	High slip for smooth feed and less sticking in the stack along with being suitable for hot foiling and gluing.
PCUV1770	High Gloss UV Varnish	35 – 40	85 – 90	0.30 - 0.40	Anilox/Coater	No	High	Good all round varnish for general purpose high gloss printing, with excellent wetting and smoothness.
PCUV100	Matt UV Varnish	35 – 40	10 – 15	0.35 – 0.45	Anilox/Coater	No	High	Quick curing, good chemical resistance and producing a matt finish for general purpose applications
PCUV1170	Screen Gloss UV Varnish	65 – 75	85 – 95	0.25 - 0.35	Screen	No	Good	Specialist high gloss varnish for silk screen and rotary screen application, combining excellent wetting and anti-foaming properties.
PCUV200	Satin UV Varnish	35 – 40	25 – 35	0.35 – 0.45	Anilox/Coater	No	High	Satin/Neutral finish gives a non-enhanced look to many papers and board whilst protecting the printwork.
PCUV1370	Bzo Free High Gloss UV	45 – 50	85 – 90	0.35 – 0.45	Anilox/Coater	No	Very High	Highly reactive and formulated without benzophenon for lower odour and taint sensitive goods packaging.
PCUV1570	High Adhesion Gloss UV	33 – 38	85 – 90	0.25 – 0.35	Anilox/Coater	No	High	Specially formulated for flexible difficult substrates such as plastics etc promoting adhesion and resistance.
PCUV1600	High Speed Jetweb Gloss UV	35 – 40	85 – 90	0.20 – 0.30	Anilox/coater	No	Very High	Specially formulated for use on heatset web requiring excellent wetting of the oily inks and fast curing for processing.
PCUV1200	High Gloss Release Varnish	35 – 40	85 – 90	0.15 – 0.25	Anilox/Coater	No	High	High slip and release surface for applications such as scratch cards and specific high spec packaging.

**** Results specified above have been obtained using a quality controlled environment and materials. On press results may differ. Values for viscosity are for standard products but all can be supplied between 25 and 60second viscosity to suit customer requirements****

Along with the core range of UV Varnishes we also pride ourselves upon developing a technically advanced “specialty” range of products. This range includes such products as:

- **High Slip and Rub** - Increased rub resistance for greater protection to the print in packaging lines such as Whiskey carton printing
- **Flexographic** - Dedicated range of varnishes available in Benzo free and standard for all areas of flexography.
- **Screen** - Full range included “Flat Matt”, Benzo Free and High Build (Relief), Varnishes for rotary and silk screen application.
- **Specialist Matts** - Including matt varnishes with a gloss of less than 5points as well as “powderless” matt formulations for improved runability.
- **Pearlescents** - Available in a variety of colours and effects to add lustre to the printed image.
- **Heatset Web** - Specially formulated to withstand high temperature heatset drying ovens.
- **Playing Card** - Casino and Trump card coatings with specific slip properties for producing high quality playing cards.
- **Anti Slip** - For specific packaging lines that require high friction in processing preventing release of sheets.
- **Drip Off Varnishes** - Topcoat varnishes to be used in conjunction with dedicated wet plate Duct UV Varnishes to produce a drip off effect.
- **Release Coatings** - For applications such as lottery scratch cards etc.
- **Dry Offset** - High viscosity varnishes for dry offset application via the spare ink duct, in different finishes and specifications.
- **Digital** - Specialist range for difficult-to-coat digital papers and inks, such as Hewlett Packard, Konica Minolta, and Xerox etc.
- **Cleaning Agents** - A comprehensive range of pressroom chemistry targeted at cleaning UV inks and Varnishes.
- **Additives** - Useful problem solvers such as Reducer, Antifoam, and wetting agent that can be used to overcome press issues.

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