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Concentrates

Here at Printchem we recognise and are concerned by the difficulties imposed by rising raw material costs, ever increasing carriage charges, duty and the distribution of quality Pressroom chemicals to overseas markets. Our concentrates resolve these issues.

We have taken the best selling products from our range and after extensive laboratory research and market testing have successfully concentrated them into a form which can be shipped around the world for blending, repacking and distribution to customers in your market. These are broken down into sub-sections depending on the category each falls under.

Pressroom Chemistry and Fountain Solution Liquid Concentrates

<u>Product</u>	<u>Brief</u>
PC551 40 Degree wash concentrate	A 10% concentrate designed to be used with non aromatic 40 degree solvent (but the user may use anything required), to give a pressroom ready blanket and roller wash for automatic or manual use.
PC550 60 degree wash concentrate	A 10% concentrate designed to be used with non aromatic 60 degree solvent (but the user may use anything required), to give a pressroom ready blanket and roller wash for automatic or manual use.
PC552 100 degree wash concentrate	A 10% concentrate designed to be used with non aromatic 100 degree solvent (but the user may use anything required), to give a pressroom ready VOC free blanket and roller wash for automatic or manual use.
PC553 40 degree aromatic concentrate	A 10% concentrate designed to be used with white spirit (but the user may use anything required), to give a pressroom ready blanket and roller wash for automatic or manual use.
PC623 Chemfix Fount concentrate	A 50% liquid concentrate, requiring 50% distilled water for mixing to create a pressroom ready fountain solution ready for dosing on press. For sheetfed and web offset printing.
PC624 Sheetfed Fount Concentrate	A 50% liquid concentrate, requiring 50% distilled water for mixing to create a pressroom ready fountain solution ready for dosing on press. For sheetfed and web offset printing.
PC620 Coldset Fount Concentrate	A 50% liquid concentrate, requiring 50% distilled water for mixing to create a pressroom ready fountain solution ready for dosing on press. For Coldset printing.
PC622 Heatset Fount Concentrate	A 50% liquid concentrate, requiring 50% distilled water for mixing to create a pressroom ready fountain solution ready for dosing on press. For Heatset web printing.
PC621 AR Fount Concentrate	A 50% liquid concentrate, requiring 50% distilled water for mixing to create a pressroom ready fountain solution ready for dosing on press. For sheetfed and web offset printing.

UV Blend Scheme

This scheme relies on customers taking several standard raw materials and effectively formulating their own varnishes. There are additives available to make adjustments to slip, cure rate, etc and the user can add diluents at their own discretion to commercialise the formulas further. We can give guideline starting blends to mimic some of our favourites range also.

Product	Brief
PCUV3003 Acrylate Solution	High viscosity monomer – backbone of high gloss formulas, for chemical resistance, high gloss and reactivity.
PCUV3004 Standard Monomer	Catalysed monomer to aid curing in UV Varnish.
PCUV3005 Bzo free monomer	Bzo free equivalent to PCUV3004
PCUV3006 Reducer Monomer	Low viscosity monomer for viscosity reduction.
PUCV3007 Flex Acrylate	High viscosity acrylate to improve flexibility – reducing candling and improving adhesion.
PCUV3000 Slip Additive	Improves surface slip and wetting.
PCUV3001 Silicone Antifoam	Reduces mechanical aeration of varnish and disperses bubbles from pumping.
PCUV3002 Silk screen Foam Inhibitor	As PCUV3001 but specific to screen UV Varnishes requiring specialist properties.

Waterbased Concentrates and additives

This works by Printchem supplying standard products supplied at high viscosity (100-110secs), to which the user can add up to 15% water to produce a usable finished working product. The user can then adjust as required with addition of other additives to alter certain properties.

Product	Brief
WB DS Matt	Concentrated standard Double sided Matt emulsion coating at 100-110second viscosity
WB DS Silk	Concentrated standard Double sided Silk emulsion coating at 100-110second viscosity
WB DS Neutral	Concentrated standard Double sided Neutral emulsion coating at 100-110second viscosity
WB DS Gloss	Concentrated standard Double sided Gloss emulsion coating at 100-110second viscosity
WB SS Gloss	Concentrated standard Single Sided Gloss emulsion coating at 100-110second viscosity
WB SS Super High Gloss	Concentrated Super High Gloss Single Sided Emulsion coating at 100-110second viscosity
Wetting Agent	Additive to improve substrate and ink wetting.
Antifoam Solution	Additive to reduce aeration of coatings through pumping action.
WB Retarder	Additive to slow dry speed of coating making them more resolvable.
Slip Additive	Additive to make surface of printed coating slipperier for improved sheet feeding.
WB Matt concentrate	Liquid matt additive to reduce the gloss of the coating
Low curl Additive	Additive to improve performance when used over low grammage substrates.
WB Rub Additive	Additive to improve rub resistance of coatings in processing and in transit.
Anti Craze Additive	Additive to make coatings more flexible against high solids inks and heavy film weights.

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