



## SERVICE OFFSET SUPPLIES LIMITED

### Waterbased Coating Product Information Sheet

There is an ever increasing demand set upon Waterbased coatings. Not only their ability to dry fast, provide protection and the desired finish but they are also required to work on many machine types, over varying inks, a wide array of substrates as well operate at speeds up and beyond 16,000 sheets per hour. Here at SOS we continue to develop our products along side major ink and machine manufacturers to ensure our products work with even the latest of technologies. Listed below is a core range of emulsion coatings designed specifically for the modern day machine and will satisfy all print requirements.

#### Core Range

<u>Code</u>	<u>Description</u>	<u>Viscosity</u>	<u>Gloss</u>	<u>Slip</u>	<u>Application</u>	<u>Glueable / Hot Foil Stampable</u>	<u>Heat Resistance</u>	<u>Block Resistance</u>	<u>Dry Speed</u>	<u>Brief</u>
<b>W140</b>	Matt Emulsion	35 – 40	10 – 15	0.35 – 0.40	DS	Yes	120°C	High	High	A smooth matt emulsion
<b>W240</b>	Silk Emulsion	33 – 38	30 – 35	0.35 – 0.40	DS	Yes	125°C	High	High	Smooth silk for everyday use
<b>W340</b>	Neutral Emulsion	33 – 38	40 – 45	0.35 – 0.40	DS	Yes	125°C	High	High	Non enhancing sealer ideal for use on metallic's
<b>W440</b>	DS Gloss Emulsion	33 – 37	55 - 60	0.35 – 0.40	DS	Yes	120°C	Med / High	Medium	General purpose work and turn gloss
<b>W540</b>	SS High Gloss Emulsion	33 – 37	60	0.40 – 0.45	SS	Yes	110°C	Low Med	Medium	General purpose packaging gloss emulsion
<b>W211</b>	High Speed Satin Emulsion	33 – 38	30 – 35	0.35 – 0.40	DS	Yes	120°C	High	High	High speed satin for all press types
<b>W400</b>	High Speed DS Gloss Emulsion	33 – 38	55 - 60	0.35 – 0.40	DS	Yes	125°C	High	High	High speed gloss for non absorbent substrates
<b>W480</b>	Non Craziing DS Gloss	33 – 38	55 – 60	0.35 – 0.40	DS	Yes	125°C	High	Med / High	Advanced formulation for heavy inked areas
<b>W503</b>	SS High Viscosity High Gloss Emulsion	55 – 60	>70	0.40 – 0.45	SS	Yes	110°C	Low / Med	Slow / Med	High viscosity SS emulsion ideally suited for hot climates

**\*\* Results specified above have been obtained using a quality controlled environment and materials. On press results may differ \*\***

# ECS setting the standards in pressroom solutions



Along with the core range of emulsion coatings ECS pride themselves upon developing a technically advance “specialty” range of products. This range includes such products as:

<b>Super Matt Emulsion</b> <b>Low Curl Silk Emulsions</b>	Formulated to replicate the smooth matt finish found with matt lamination Specifically formulated for use on low grammage light weight substrates where sheet cure and distortion occurs. Available in both a silk and gloss finish
<b>Super High Gloss Double Sided Emulsion</b>	Formulated to achieve the highest possible gloss whilst maintaining the “work and turn” properties required for commercial printing and finishing
<b>Un-Coated / Offset Stock Emulsion</b>	Ideally suited for use on un-coated stocks to aid protection and quicker turnaround times whilst not enhancing the overall finish of the printed sheet
<b>Soft Touch Emulsion</b>	Offers a luxurious and gentle surface which changes the texture and nature of the printed surface.
<b>Super High Gloss Single Sided Emulsion</b>	Formulated to provide the highest possible gloss for use within packaging requirements

Other speciality products include:

- Resistant Coatings
  - Heat
  - Alcohol
  - Water
  - Grease
- Slip Specific
- Blisterpack
- Direct Food Contact (FDA)
- Primers
  - Double Coater
  - Off-Line
- Heatset Web Application
- Pearlescent
- Security
- Playing Card
- Calendaring
- MVTR
- Non Slip
- Metallic Sealers

Further technical information such as shelf life, storage, handling etc can be found on the ECS Technical data sheets. For further information regarding this or other ECS product ranges please contact the team at [ECS sales@ecsnotts.co.uk](mailto:sales@ecsnotts.co.uk)

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