



Emulsion GPS55W Xpress

heat set web offset silicone and wax emulsion

PennWhite

technical data sheet

printing emulsions

Emulsion GPS55W Xpress is a blend of silicone and wax emulsions specifically developed to provide improved levels of gloss and antistatic effect in heat set web offset printing, particularly on low quality papers. Both products efficiently re-texturise the paper web, reducing marking and rubbing effect on the printed page.

Emulsion GPS55W Xpress has been specially formulated to allow their use on high speed presses without accumulation of wax deposits on guides and rollers. The upgraded Xpress range also offers several advantages over the already well-established GPS55W:

- Improved wetting of applicator rollers, resulting in more uniform distribution of silicone and wax onto the printed web, and reduced 'fly-off' of emulsion droplets.
- Reduced viscosity, to assist accurate dilution using proportional dosers, and more efficient drainage of containers, to reduce wastage.
- The concentrates are frost-stable, avoiding the risk of spoilage due to freezing during winter.

TYPICAL PROPERTIES

Emulsion GPS55W Xpress

Appearance:	Cream-white opaque liquid
Non-Volatile Content:	55%
pH (neat):	7 (approx)
Density:	0.98 Kg/litre
Application Dilution:	1 – 5 %
Brookfield Viscosity (20°C)	50cps (approx)

APPLICATION

Emulsion GPS55W Xpress is dosed to clean water feeding the applicator rollers following the chilling / set stage of printing. Dosage rate will depend upon ink quality, paper type and print speed, but a guide is given in the table above.

Emulsion GPS55W Xpress should not be stored in the applicator bath for more than 72 hours as impurities returned from the applicator rollers may adversely affect stability.

PACKAGING

Emulsion GPS55W Xpress are supplied in 25kg, 200kg and 1000kg containers.

(OPA2/F2)

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