



PennWhite

Emulsion PS18

heat set web offset emulsion

technical data sheet

printing emulsions

Emulsion PS18 is a blend of silicones 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. **Emulsion PS18** efficiently re-texturises the paper web, reducing marking and rubbing effect on the printed page.

Emulsion PS18 has been specially formulated to allow its use on high speed presses without accumulation of wax deposits on guides and rollers it also offers several advantages over other similar product:

- 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.

TYPICAL PROPERTIES

Appearance:	Cream-white opaque liquid
pH (neat):	7 (approx)
Density:	0.99 Kg/litre
Application Dilution:	5 – 10%
Brookfield Viscosity (20°C)	15cps (approx)

APPLICATION

Emulsion PS18 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.

Dilutions of **PS18** 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 PS18 is supplied in 200kg and 1000kg containers.

(OPA2/F2)

TDS: 073

Issue: 04

Revised: 05/03/2014

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