



Emulsion GPS35 Xpress

heat set web offset silicone emulsion

PennWhite

technical data sheet

printing emulsions

Emulsion GPS35 Xpress is a water-based silicone emulsion, designed as re-texturising agents for use during heat set web offset printing. The upgraded XPRESS range offers a number of additional advantages over the already well-established GPS35:

- Improved wetting of applicator rollers, resulting in more uniform distribution of silicone 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 GPS35 Xpress

Appearance:	Cream white opaque liquid
Non Volatile Content:	35%
pH Neat:	7
Density:	0.99kg/litre
Application Dilution:	2-10%
Brookfield Viscosity (20°C):	10cps

APPLICATION

Emulsion GPS35 Xpress is dosed to clean water feeding the applicator rollers, following the chilling /set stage of printing.

The dilution rate will be governed by paper stock, ink quality and print speed, but a guide range is given in the table above.

Dilutions of **Emulsion GPS35 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.

Where a high level on antistatic performance is required, an addition of 0.5- 1.0% Prostat Bio to the silicone applicator is recommended/

PACKAGING

Emulsion GPS35 Xpress is supplied in 25kg and 200kg plastic drums and 1000kg IBC.

(OPA2/F2)

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Page 1 of 1

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