



Water Pick-up Graph

The graph displays the results of a **Water Pick-up** test of five individual lithographic inks; the test follows the *ASTM – B4942* standards, developed by A. Surland of Sun Chemicals.

Salient Points.

Y – Axis – is Water Pick-up (g/100g of ink) **X – Axis** – is Emulsification Time (mins).

The graph illustrates good and poor lithographic inks, represented by curves marked **A - B - C - D - E**

Curve **A** - picks up too much F/S causing scumming, emulsification, reduced density and snow flaked solids.

Curve **B** – will probably run, but will require constant attention.

Curve **C** – the ideal ink.

Curve **D** – cannot handle F/S result, tinting, scumming, reduced density and mottled solids.

Curve **E** – will not pick-up F/S applied to the image areas, causing image blinding.