

Possible Faults and Remedies/Delamination

This help guide has been produced to identify if there is a board delamination problem and to offer some possible solutions with the aim of reducing any consequences. Please note that if expensive corrective action is necessary, both Varsity and the relevant mill must be informed prior to it taking place.

Problem	Remedies
<p>The ink is too sticky Delamination can already appear at the printing unit at the splitting of the ink in the tearing angle of the sheet.</p>	<p>Ink (short-term at printing machine) 5-10% printing oil or thinning paste to be added. Attention:Dot gain!</p> <p>Ink (long-term from the ink supplier) Reduce viscosity. Today it is possible to use better raw materials (inks) which also offer better screendot.</p> <p>Printing machine (limited)</p> <p>Alternatives or try all options together:-</p> <ul style="list-style-type: none"> - Increase the water flow control, the ink becomes softer. - Reduce the printing pressure as far as possible. - Reduce the printing speed.
<p>The ink absorption is too fast, causing picking at the following units (especially single unit construction presses)</p>	<p>Ink (short-term at printing machine), look above.</p> <p>Ink (long-term from the ink supplier), look above.</p>
<p>The board surface is too cold (under 18°C) Measuring with sword hygrometer with temperature recorder.</p>	<p>Adjust the wrapped board to the temperature of the printing room In Winter this can take a few days. Ideal temperature 18-22°C.</p>
<p>The printing machine is too cold At start-up or after a longer standby it is possible that for a moment delamination appears. This disappears after a few sheets and can be tolerated generally.</p>	<p>Printing machines with a tempering of the ink units do not show this problem Otherwise make a short "warmup" of the machine with no-load.</p>
<p>The blankets are too sticky E.g. old blankets, unsuitable blanket washing agents or blanket regenerate.</p>	<p>Change blankets for new ones, which are less sticky Alternatives:-</p> <ul style="list-style-type: none"> - Use of other quick release or ground blankets. - Changes washing agent and/or regenerate. - Blanket washing agent should be used according to manufacturer advice.
<p>IGT- pick (plybond) of the toplayers is too low</p>	<p>Reduce pick of the ink especially in the first units by adding printing oil or paste (as above).</p> <p>Control temperature of board and if necessary "heat up" by a no-print run.</p> <p>Change the board, if all the above do not solve the problem.</p>

