

TROUBLESHOOTING FOR SHEETFED PRESSES

RUB RESISTANCE (POOR): Printed ink film appears dry but exhibits poor rub and/or scratch resistance when abraded.

CAUSES

1. Too much water runs on job or paper contains too much water.
2. The pH/conductivity is too high in fountain solution. Very high pH/conductivity is indicative of too much acid in fountain solution, which can retard or prevent drying of inks.
3. Ink not fully dry.
4. Poor paper coating integrity.
5. Roughness of paper surface creates poor rub between unprinted paper surface and printed paper surface – (e.g.) some dull-coat-type stocks.
6. Too much ink.
7. Vegetable oil inks being used.

REMEDIES

1. Reduce dampener settings. Change paper.
2. Adjust pH/conductivity accordingly.
3. Refer to DRYING TOO SLOW section of this guide.
4. Consult paper manufacturer.
5. Consult ink manufacturer to provide ink with better rub resistance.
6. Lower level of ink carried.
7. Switch to Linseed-Oil-based inks for harder drying.

