

TROUBLESHOOTING FOR SHEETFED AND WEB PRESSES

CHALKING/POWDERING : Ink is dry but rubs off easily under a little pressure.

CAUSES

1. Insufficient binder in ink.
2. Vehicle is too low in viscosity.
3. Stock is too porous for ink.
4. Ink dries too slowly
 - a) Poor drying vehicle
 - b) Lack of driers
 - c) Too much antioxidant
 - d) pH of paper or fountain solution too acidic
 - e) Too much fountain solution dampening stock, or moisture content of stock is too high.
5. Ink not formulated properly for substrate being printed on.

REMEDIES

1. Add good drying, high-viscosity binder.
2. Add good drying, high-viscosity binder.
3. Add good drying, high-viscosity binder.
4. a) Add good drying vehicle. Add proper drier to the ink.
b) Add good drying vehicle. Add proper drier to the ink.
c) Add good drying vehicle. Add proper drier to the ink.
d) Change to a more neutral or alkaline paper. Re-mix fountain solution to a pH between 4.5 and 5.
e) Cut back amount of water carried if possible, and use heater in delivery if possible. Always store stock in a dry location.
5. Consult your ink manufacturer. Addition of driers to ink or fountain solution may help.

