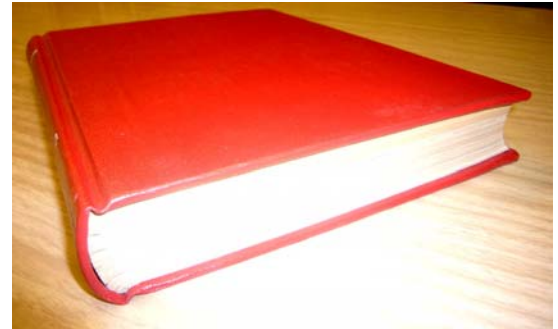
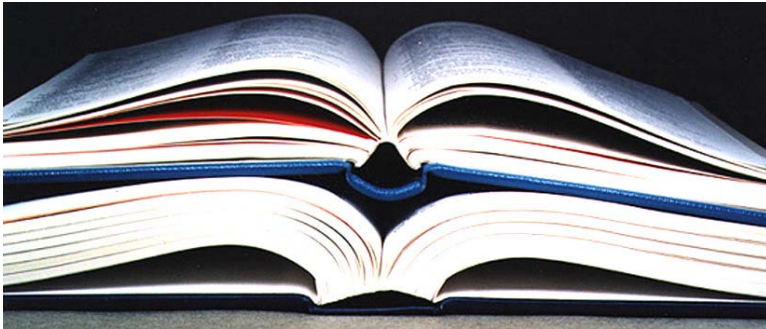
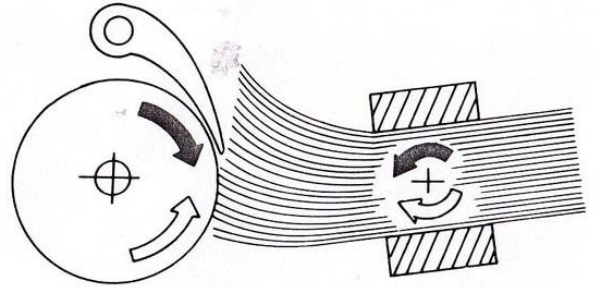


## Double-Fan Adhesive Binding

Unlike Perfect binding in which the book block is clamped against the binding edge and the spine passed over a glue roller that applies either an EVA or PUR hot melt, in the Double-Fan Adhesive Binding process, a specially formulated cold emulsion Polyvinyl Acetate (PVA) adhesive is applied between the pages while fan-gluing each individual sheet – first one side, then the other – to provide extra strength and greater durability. Also, unlike perfect bound books, stresses are distributed over a wider surface area penetrated by adhesive. There are no stresses produced when the adhesive joint is flexed because the adhesive is no more rigid than the adherand. Failure of most paper will usually occur before failure of bond.



### **OVERSEWING VS. DOUBLE FAN ADHESIVE BINDING**

These two examples demonstrate the difference in opening characteristics between a book that has been oversewn (bottom) and a book that has been double fan adhesive bound (top). The oversewn book allows far less access into the gutter of the book, which will create difficulties when reading and photocopying the book and will most likely result in damage.