

PUR vs. EVA

What is PUR?

PUR Binding vs. Perfect binding...Yes, they are different. The biggest difference between the two types of binding is the adhesives that are used in the binding process. PUR binding uses polyurethane reactive adhesives (PUR) and Perfect binding uses ethylene vinyl acetate adhesives (EVA). At first glance, there is very little difference that can be noticed between the two. However, PUR offers significantly increased binding strength...page pull tests are often 50% stronger with PUR than with EVA. Additionally, PUR bound books lay much flatter than do Perfect bound books.

Why PUR?

- ◊ Recycled papers result in shorter fibers which are difficult to bond.
- ◊ The amount of paper fibers are being reduced.
- ◊ Multiple coatings to build paper thickness and improve print graphics are difficult to bond.
- ◊ Residual print oils can attack traditional binding adhesives.
- ◊ Printers want to print in to the gutter for graphic transition, page to page.

The Benefits of PUR

- ◊ Excellent page pulls and flex values.
- ◊ Exceptional aging stability
- ◊ High cold and heat resistance.
- ◊ Excellent lay-flat performance.
- ◊ Very thin application required 10-12 mil vs. 25-35 mil per EVA



