Thermally activated binding

Some of the different types of thermally activated binding include:

1.

Perfect binding is often used, and gives a result similar to paperback books. National Geographic is one example of this type.
Paperback or soft cover books are also normally bound using perfect binding. They usually consist of various sections with a cover made from heavier paper, glued together at the spine with a strong flexible glue. The sections are rough-cut in the back to make them absorb the hot glue. The other three sides are then face trimmed. This is what allows the magazine or paperback book to be opened.
Mass market paperbacks (pulp paperbacks) are small (*16mo* size), cheaply made and often fall apart after much handling or several years.
Trade paperbacks are more sturdily made, usually larger, and more expensive.

2. **Thermal Binding** uses a one piece cover with glue down the spine to quickly and easily bind documents without the need for punching. Individuals usually purchase "thermal covers" or "therm-a-bind covers" which are usually made to fit a standard size sheet of paper and come with a glue channel down the spine. The paper is placed in the cover, heated in a machine (basically a griddle), and when the glue cools, it adheres the paper to the spine. Thermal glue strips can also be purchased separately for individuals that wish to use customized/original covers. However, creating documents using thermal binding glue strips can be a tedious process which requires a scoring device and a large format printer.
3. A **cardboard article** looks like a hardbound book at first sight, but it is really a paperback

with hard covers. Many books that are sold as **hardcover** are actually of this type. The Modern Library series is an example. This type of document is usually bound with thermal adhesive glue using a perfect binding machine.

4. **Tape Binding** refers to a system that wraps and glues a piece of tape around the base of the document. A tape binding machine such as the Powis Parker Fastback or Standard Accubind system will usually be used to complete the binding process and to activate the thermal adhesive on the glue strip. However, some users also refer to Tape Binding as the process of adding a colored tape to the edge of a mechanically fastened (stapled or stitched) document.
5. **Unibind** is a variety of thermal binding that uses a special steel channel with resin rather than glue inside of it to give it a more sturdy bind to hold the pages in place. Unibind can be used to bind soft covered documents with a look that is similar to perfect binding. It can also be used for binding hardcover books and photo books. Like Thermal Binding, unibind usually requires you to purchase a one piece coverset to bind your documents. However, Unibind also offers SteelBack spines that allow you to use your own covers in the binding process. The majority of Unibinds covers can be printed on as well to give documents a unique finish. (Unibind is also the name of a International binding company)

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