

PACHICA

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PACHICA – Technical Information

PACHICA has unique properties allowing heated and embossed portions to become transparent. The difference between the original white paper and the transparent part adds 3-D, making it enjoyable to touch, or as we call it, “Haptic”.

Converting techniques for embossing

When using the heat press, it is better to use copper-based etching plates rather than zinc-based ones because copper conducts heat better. Use brass-based engraving plates depending on the pattern and thickness of the paper. The temperature and time it takes to press depends on the pattern, the size of the pattern, and the type of machine used. (Test data: 140 to 155degrees Celsius, 1 to 6 seconds) Also, in order to peel off the paper from the printing plate easily, cleaning the plate with silicon spray and/or placing a transparent film between the plate and paper is necessary.

Etched plate (copper plate with 3mm thickness): A print made by melting the dents with chemicals, making the edges rather smooth.

Engraved plate (brass plate with 7mm thickness): The engraving is deep and cut vertically, leaving the edges rigid. This plate is recommended when 1) using thick paper, especially Pachica 350kg, and making a pattern with sharp edges, and when 2)printing small letters.

Printing on Pachica

- The surface is very soft so it is not recommended for offset multi-color (4 colors) printing.
- You can print in single color but you will need to take the tack off the ink and make the printing pressure to its lowest.
- Due to the paper dust, clean up the blanket cylinder often while printing.

Other information

- In order to increase the paper’s strength, it is recommended to apply varnishing on the surface during printing process, also it should be effective to PVC laminate on the reverse side after embossing process.
- When the paper cutter holds the paper down, the traces of the cutter remains on the paper. In order to avoid this, use some kind of thick paper, like cardboard, as a protecting sheet. Also, use new and sharp blades for cutting as possible.