

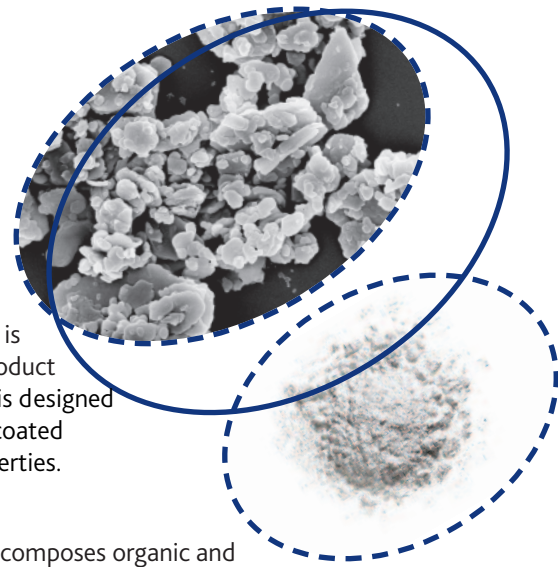
GREEN AS WHITE CAN BE 

# THERMAPRINT™ 400

- THERMA-PRINT™ 400 is a calcined kaolin for direct thermal and thermal transfer paper coatings
- With a controlled pore structure that maximizes the microporosity, it is designed to provide the right coating and surface structure
- THERMA-PRINT™ 400 will improve coating coverage, control ink absorbency and improve thermal print properties

[www.imerys-kaolin.com](http://www.imerys-kaolin.com)

# IMERYS KAOLIN IS THE GLOBAL LEADER IN HIGH QUALITY KAOLINS FOR PAPER



**THERMA-PRINT™ 400** is a high brightness, calcined kaolin for thermal paper coatings. It is made via a precisely controlled thermal process using a select kaolin feed. The resulting product has a controlled pore structure that maximizes the microporosity. THERMA-PRINT™ 400 is designed to provide the right coating and surface structure for thermal transfer and direct thermal coated printing papers. THERMA-PRINT™ 400 improves coverage, ink absorbency and print properties.

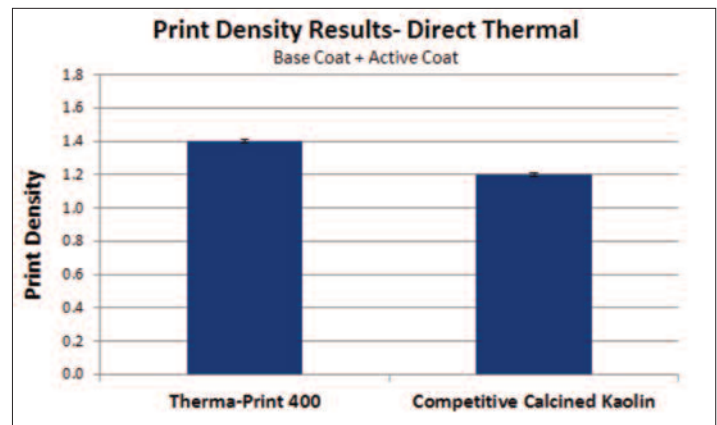
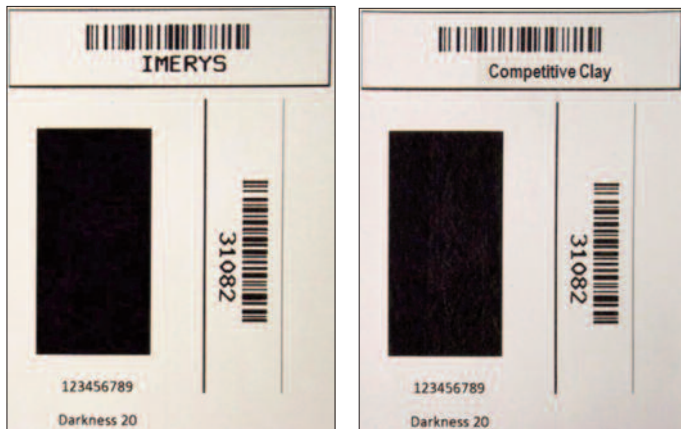
## CALCINED CLAY FOR THERMAL PAPER COATINGS

Calcining kaolin at elevated temperatures breaks down its original crystal structure and decomposes organic and other impurities in the kaolin. Calcined clay has a uniform, fine particle size and exhibits excellent dispersability. Calcined clay also provides substantial heat insulating properties (low thermal conductivity) in a paper coating.

THERMA-PRINT™ 400 helps thermal printing by providing the appropriate coating and surface structure for direct thermal and thermal transfer coated printing papers. The low thermal conductivity of THERMA-PRINT™ 400 and overall pigment packing structure also provides improved thermal print quality.

- Improves coverage, ink absorbency and print properties of the coating layer.
- For thermal transfer printing it provides a smooth coating layer and an open micro-porous surface which allows efficient melting and attachment of the wax-based inks and avoids thermal curling.
- For direct thermal printing it contains the heat in the dye layer and does not allow it to spread, which means a more efficient dye activation and an improved print quality and optical density.

**THERMA-PRINT™ 400** showed significant improvement in the print density and overall print quality compared to a competitive product.



For further information about THERMA-PRINT™ 400, please contact your Imerys sales representative who will be able to assist you.

## MORE INFORMATION

### Imerys Kaolin

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