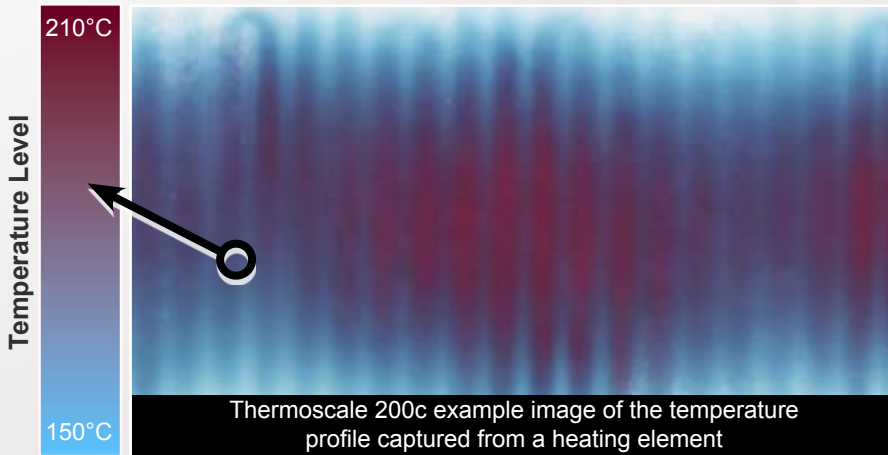


# THERMOSCALE®

## Tactile Surface Temperature Indicating Film

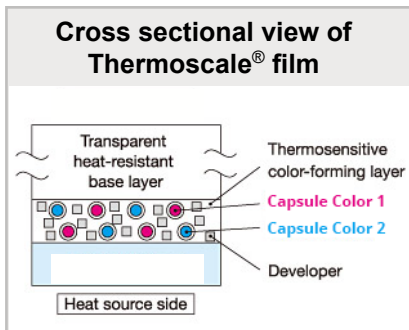


Thermoscale® is a unique tool that indicates temperature level and distribution between any two contacting surfaces. The most unique quality of Thermoscale® is that it goes where no other IR camera or temperature gauge can ever go - on the surface of the heated object and in between two contacting surfaces!

### Benefits

- No training required and extremely easy to use very economical
- Works where no IR camera can - in between contacting surfaces

### How it works



Heat melts the developer and makes the microcapsule walls permeable, allowing developer to enter the microcapsules, where it reacts with the color-forming agent to produce color.

### Making the invisible visible

Thermoscale® is a thin (similar to a sheet of paper) flexible film-like material that actually changes color when it comes in contact with elevated temperature. The color change is both instantaneous and permanent and allows the user to “read” and interpret the color to get a fix on precisely what temperature has been reached at all points across the heated surface. Physically similar to Litmus paper the color that Thermoscale® turns is directly proportional to the temperature level.

### Ideal Applications

- Heat sealing
- Lamination presses
- Nip rollers
- LCD/PCB bonding

### Specifications

Film Type	Measurable Temperature Range*	Contact Time	Base Layer	Gauge	Color Temperature Visualization	Dimensions
Thermoscale 200C	302 - 410°F (150 - 210°C)	5 - 20 sec.	PEN	3.5 mils	Blue / Magenta	10.6 in. x 16.4 ft. (270 mm x 5 m)
Thermoscale 100	176 - 221°F (80 - 105°C)	1 - 10 sec.	PET	3.5 mils	Grayscale	11.7 in. x 32.8 ft. (297 mm x 10 m)

\* Actual temperature range depends on conditions of use including contact time, materials, pressure, and air flow.