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 is 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

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

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

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