

Thermochromic Sheets and Films

PRINCIPLE APPLICATIONS

- (a) Promotional products and ad specialties
- (b) Instructional and educational usage
- (c) General non-destructive testing (NDT) and thermal mapping
- (d) Research (engineering, aerospace)

STANDARD SHEETS

Specifications:

Size: 12" x 12"
 Substrate: 5 mil clear polyester
 Coating: Silkscreen application of microencapsulated TLC coating
 Silkscreen application of black backing ink
 Backing: Optional pressure sensitive adhesive with release liner
 Properties: The color change properties of the TLC coating
 (Red, Green, Blue)
 Color Change: As temperature increases, the color of the sheets changes from black to red, red to green, green to blue, and finally to black again.

LCR Item Code	Red Start		Green Start		Blue Start		Blue to Black		Bandwidth (Blue start minus red start)	
	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
R20C5B	20	68	21	70	25	77	41	106	5	9
R25C5B	25	77	26	79	30	86	44	111	5	9
R29C4B	29	84	30	86	33	91	50	122	4	7
R30C5B	30	86	31	88	35	95	46	115	5	9
R35C1B	35	95	35.2	95.5	36	97	49	120	1	2
R35C5B	35	95	36	97	40	104	49	120	5	9
R40C5B	40	104	41	106	45	113	52	126	5	9
R45C5B	45	113	46	115	50	122	57	135	5	9

Red start and green start temperatures quoted above are $\pm 1^{\circ}\text{C}$ ($\pm 2.0^{\circ}\text{F}$)
 Blue start, blue to black and bandwidth temperatures are $\pm 2^{\circ}\text{C}$ ($\pm 4.0^{\circ}\text{F}$)

CUSTOM SHEETS

Other color sequences and sizes are available. Please call our customer service department for further information.