

# Thermaplate

Colour fastness and stability tester

Thermaplate is used to evaluate colour fastness to dry heat and hot pressing, thermal stability and sublimation.



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This instrument complements perfectly our suite of instruments for testing colour fastness to light, washing, dry cleaning, chlorinated water, perspiration and cold water.

## Designed With You In Mind

**Space efficient:** occupies only a small area of laboratory bench space.

**Safe:** positive park position for top plate; cool exterior surfaces; warning light when temperature exceeds 60°C.

**Accurate temperature control:** independent digital timers control the operating temperatures of the top and bottom plates.

**Precise timing:** a pre-settable digital timer is activated automatically when the top plate is closed.

**Test Materials:** a full range is supplied, including multifibres, grey scales, and felt and cotton limbric (sized to achieve the correct operating pressures).

## Applications

**Colour fastness to dry heat:** used to predict colour changes on dyed and printed fabrics during subsequent heat treatments.

**Colour fastness to hot pressing:** used to determine the resistance of fabrics to colour change and transfer when subject to hot processing and ironing.

**Thermal stability:** used to control the heat setting process and to predict the shrinkage of heat set synthetic fabrics.

**Sublimation fastness:** used to select dyes with sublimation characteristics to match processes and products.

## Technical Specifications

Temperature Range: Ambient - 220°C

Accuracy: 1°C

Warm Up Time: Approx. 15min

Dimensions of Heated Plate:  
210 x 210mm

Maximum Specimen Thickness: 15mm

Weight of Top Plate: 4000g

## Standards

### AATCC

AATCC 117

AATCC 133

### adidas

adidas 5.09

### ISO

EN ISO 105-P01

EN ISO 105-X11

### Marks & Spencer

M&S P10

M&S C13

### Japanese

JIS L 0879

JIS 0850



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