

FLAME TEMPERATURE BY APPEARANCE

The temperature of flames with carbon particles emitting light can be assessed by their color:

Red

Just visible: 525 °C (977 °F)

Dull: 700 °C (1290 °F)

Cherry, dull: 800 °C (1470 °F)

Cherry, full: 900 °C (1650 °F)

Cherry, clear: 1000 °C (1830 °F)

Orange

Deep: 1100 °C (2010 °F)

Clear: 1200 °C (2190 °F)

White

Whitish: 1300 °C (2370 °F)

Bright: 1400 °C (2550 °F)

Dazzling: 1500 °C (2730 °F)

Reference: "A Book of Steam for Engineers", The Stirling Company, 1905