

Radiant heat

Objective

This method quantifies thermal insulation against radiant heat by calculating a specific index.

Principle

A vertically presented test specimen is exposed to a specified level of radiant heat for a specified time. The heat passing through the specimen is measured by a copper calorimeter placed in contact with the specimen. The times for a calorimeter temperature rise of 12°C and 24°C are recorded (HTI12 and HTI24) and expressed as radiant heat transfer indices.

Type: [Physical and mechanical test](#)

Standard: [EN 407 § 4.5.5](#)

Product: [Gloves](#)

Criteria: [PEE](#) / [Thermal risk](#)

Last modified on 2025-05-15