

Convective heat

Objective

This method enables the quantification of thermal insulation in relation to convective heat through the calculation of a specific index.

Principle

A horizontally-displayed test tube is partially immobilized and subjected to a constant flow of heat from a gas burner flame placed underneath.

The heat passing through the specimen is measured by a small copper calorimeter placed in contact above the specimen. The times required to reach temperature rises of 24°C are recorded (HTI24).

Type: [Physical and mechanical test](#)

Standard: [EN 407 § 4.5.4](#)

Product: [Gloves](#)

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

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