



BSI Standards Publication

Fine ceramics (advanced ceramics, advanced technical ceramics) — Measurement method for normal spectral emissivity using blackbody reference with an FTIR spectrometer

National foreword

This British Standard is the UK implementation of ISO 19618:2025. It supersedes BS ISO 19618:2017, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee RPI/13, Advanced technical ceramics.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Published by BSI Standards Limited 2025

ISBN 978 0 539 25977 3

ICS 81.060.30

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2025.

Amendments/corrigenda issued since publication

Date	Text affected



International
Standard

ISO 19618

**Fine ceramics (advanced ceramics,
advanced technical ceramics) —
Measurement method for
normal spectral emissivity using
blackbody reference with an FTIR
spectrometer**

*Céramiques techniques — Méthode de mesure de l'émissivité
spectrale normale au moyen d'un corps noir de référence par
spectrométrie infrarouge à transformée de Fourier (IRTF)*

**Second edition
2025-01**

Reference number
ISO 19618:2025(en)

Full document details: BS ISO 19618:2025

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Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
5.1 Measurement system	2
5.2 Fourier transform infrared spectrometer (FTIR)	2
5.3 Specimen heating device	2
5.4 Blackbody furnace	4
5.5 Temperature measuring devices and thermometer	4
5.6 Mirror	4
6 Test specimens	4
7 Measurement preparation	5
7.1 Position of a blackbody furnace and a specimen	5
7.2 Wavelength calibration	6
7.3 Verification of linearity	6
7.4 Verification of stability	7
7.5 Validation of measurement system	7
8 Test condition	7
9 Test procedure	7
9.1 Background infrared radiance spectrum measurement	7
9.2 Specimen installation	7
9.3 Infrared radiance spectrum measurement	7
10 Calculations	8
10.1 Normal spectral emissivity	8
10.2 Normal quasi-total emissivity	8
11 Test report	9
Annex A (informative) Calculation of theoretical infrared radiance spectrum $L_{\lambda,T}$ using Planck's blackbody radiation function	10
Annex B (informative) Christiansen effect	11
Annex C (informative) Validity of normal quasi-total emissivity	12
Bibliography	13

Foreword

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This document was prepared by Technical Committee ISO/TC 206, *Fine ceramics*.

This second edition cancels and replaces the first edition (ISO 19618:2017), which has been technically revised.

The main changes are as follows:

- correction of the procedure for the linearity verification of the FTIR system in [7.3](#);
- addition of the thermal history of the specimen to the items to be reported in [Clauses 6](#) and [11](#);
- correction of the terms to be used for the calculations in [Clause 10](#).

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