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Second edition
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Fine ceramics (advanced ceramics, advanced technical ceramics) — Methods of test for ceramic coatings — Determination of internal stress in ceramic coatings by application of the Stoney formula

Céramiques fines (céramiques avancées, céramiques techniques avancées) — Méthodes d'essai des revêtements céramiques — Détermination de la contrainte interne des revêtements céramiques par application de la formule de Stoney

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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 19674:2017), which has been technically revised.

The main changes are as follows:

— in the Scope, the substrate is limited to isotropic ones;

— in Clause 5, the contents of EXAMPLE are all deleted due to an incorrect Formula (2) and its weak correlation;

— in 7.5, the calculation for R_{exp} has been revised;

— at the end of 7.5, a schematic diagram (Figure 1) and an approximate calculation of R_{exp} from deflection has been added and the formula renumbered to Formula (3);

— Annex B has been added.

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