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Glass in building — Vacuum insulating glass —

Part 3: Test methods for evaluation of performance under temperature differences

Verre dans la construction — Vitrage isolant à lame de vide —

Partie 3: Méthodes d'essai pour l'évaluation des performances en cas de différences de température

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Foreword

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Glass in building — Vacuum insulating glass —

Part 3: Test methods for evaluation of performance under temperature differences

1 Scope

This document specifies test methods for evaluation of performance of vacuum insulating glass samples with rigid edge seal when subjected to temperature differences between the glass sheets.

This document is not applicable to vacuum insulating glass samples with flexible edge seal.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 19916-1, *Glass in building — Vacuum insulating glass — Part 1: Basic specification of products and evaluation methods for thermal and sound insulating performance*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 19916-1 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
heat transfer control board
board placed in a test chamber for reducing air flow around the vacuum insulating glass specimen

3.2
rigid edge seal
edge seal that prevents lateral relative movement between the glass sheets at the edge of the sheets where the seal is formed, made from a rigid material such as glass or metal

3.3
flexible edge seal
edge seal structure allowing lateral movement between the two glass sheets

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