



**ISO 5017**

**Dense shaped refractory products — Determination of bulk density, apparent porosity and true porosity**

*Produits réfractaires façonnés denses — Détermination de la masse volumique apparente, de la porosité ouverte et de la porosité totale*

**Fourth edition  
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This document was prepared by Technical Committee ISO/TC 33, *Refractories*.

This fourth edition cancels and replaces the third edition (ISO 5017:2013), which has been technically revised.

The main changes are as follows:

- revised definition of sample, item and test piece;
- addition of an informative annex on precision and bias.

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