

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Ferrite cores – Guidelines on the limits of surface irregularities –
Part 2: RM-cores**

**Noyaux ferrites – Lignes directrices relatives aux limites des irrégularités de
surface –
Partie 2: Noyaux RM**





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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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OF SURFACE IRREGULARITIES –****Part 2: RM-cores****FOREWORD**

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International Standard IEC 60424-2 has been prepared by technical committee 51: Magnetic components and ferrite materials.

This second edition cancels and replaces the first edition published in 1997. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) addition of crystallites in 3.6 and of pores in 3.7.

The text of this standard is based on the following documents:

FDIS	Report on voting
51/1108/FDIS	51/1122/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60424 series, published under the general title *Ferrite cores – Guidelines on the limits of surface irregularities*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

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FERRITE CORES – GUIDELINES ON THE LIMITS OF SURFACE IRREGULARITIES –

Part 2: RM-cores

1 Scope

This part of IEC 60424 provides guidelines on the allowable limits of surface irregularities applicable to RM-cores in accordance with the relevant generic specification.

This standard should be considered as a sectional specification useful in the negotiations between ferrite core manufacturers and customers about surface irregularities. Normative reference

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

3 Limits of surface irregularities

3.1 Visual inspection and recommended limits

To facilitate quick identification of recommended limits for a given irregularity based on its location, the following subclauses are summarized in Table 1.

Table 1 – Relevant subclauses for given irregularity versus location

Location	Type of irregularity	For limits, see
Mating surfaces	Chips Ragged edges Cracks	3.2.1 3.2.1 3.3
Centre-post	Chips Ragged edges Cracks	3.2.2 3.2.2 3.3
Outer walls	Chips Cracks	3.2.2 3.3
Back wall	Chips Ragged edges Cracks Pull-outs	3.2.2 3.2.2 3.3 3.5
Wire slot areas	Chips Ragged edges Flash	3.2.2 3.2.2 3.4
Wire way areas	Chips Ragged edges Flash	3.2.2 3.2.2 3.4
Clamping recess areas	Chips Ragged edges Pull-outs	3.2.2 3.2.2 3.5