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## **Welding consumables — Fluxes for submerged arc welding and electroslag welding — Classification**

*Produits consommables pour le soudage — Flux pour le soudage à  
l'arc sous flux et le soudage sous laitier — Classification*



Reference number  
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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*.

This third edition cancels and replaces the second edition (ISO 14174:2012), which has been technically revised. The main changes compared to the previous edition are as follows:

- Subclause [5.4.3](#) now clarifies burn-out;
- ISO 18724 has been added to [Clause 2](#);
- [Table 3](#) has been expanded;
- [Table 5](#) for flux class 2, welding current and voltage have been revised;
- an example of a Z option has been added;
- information on IIW Round robin testing of fluxes has been added to [Annex B](#) and as a bibliographical reference;
- Clause [B.16](#) has been corrected to include CaF<sub>2</sub> (to align with EN 760).

Any feedback, question or request for official interpretation related to any aspect of this document should be directed to the Secretariat of ISO/TC 44/SC 3 via your national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html). Official interpretations, where they exist, are available from this page: <https://committee.iso.org/sites/tc44/home/interpretation.html>.