

INTERNATIONAL
STANDARDS
100

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Thermal spraying — Approval testing of thermal sprayers

Projection thermique — Qualification des agents en projection thermique



Reference number
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 14918 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee TC 107, *Metallic and other inorganic coatings*, Subcommittee SC 5, *Thermal spraying*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Throughout the text of this standard, read "...this European Standard..." to mean "...this International Standard...".

Annexes A and B form an integral part of this International Standard. Annexes C and ZA are for information only.

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The text of EN ISO 14918:1998 has been prepared by Technical Committee CEN/TC 240 "Thermal spraying and thermally sprayed coatings", the secretariat of which is held by DIN, in collaboration with Technical Committee ISO/TC 107 "Metallic and other inorganic coatings".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 1999, and conflicting national standards shall be withdrawn at the latest by April 1999.

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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This standard covers the principles of the approval testing of sprayer performance for thermal spraying.

The quality of work involved in thermal spraying depends on the skill and job knowledge of the thermal sprayer.

The ability of the thermal sprayer to follow verbal and written instructions and testing of his skill are therefore important factors in ensuring the quality of the thermally sprayed product.

This standard is intended to provide the basis for the mutual recognition by examining bodies for approval relating to thermal sprayer's competence in the various fields of application. Tests shall be carried out in accordance with this standard unless more severe tests are specified by the relevant application standards when these shall be applied.

The thermal sprayer's skill and job knowledge continue to be approved only if the thermal sprayer is working with reasonable continuity on thermal spraying work within the extent of approval.

All new approvals are to be in accordance with this standard from the date of this issue.