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## Thermal spraying — Procedures for the application of thermally sprayed coatings for engineering components

*Projection thermique — Mode opératoire d'application de revêtements obtenus par projection thermique pour les pièces mécaniques*



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ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

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## Foreword

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ISO 14921 was prepared by Technical Committee CEN/TC 240, *Thermal spraying and thermally sprayed coatings* of the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee ISO/TC 107, *Metallic and other inorganic coatings* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 14921:2001), which has been technically revised.

## Introduction

Components might fail if the surface does not fulfil the physical, chemical, and/or technological requirements. For several applications, this deficiency can be avoided by a thermally sprayed coating.

Where appropriate, a coating may be applied to protect the component's surface or to improve its behaviour by increasing the resistance against wear and/or corrosion, or the electrical or thermal conductivity or insulation or by reducing the friction coefficient.

There are limits to the applicable thickness of some thermally sprayed coatings. However, several different coatings may be built up one upon another. In the case of extensive loss of material through corrosion or wear, an alternative suitable spraying material may be applied prior to the top coat or the bond and top coat.

