



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 1274:2004

ICS 25.220.20
77.160

**THERMAL SPRAYING - POWDERS -
COMPOSITION, TECHNICAL SUPPLY
CONDITIONS**

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*This Irish Standard was
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authority of the National
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Ireland and comes into
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April 14, 2005*

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1274

November 2004

ICS 25.220.20; 77.160

Supersedes EN 1274:1996

English version

**Thermal spraying - Powders - Composition, technical supply
conditions**

Projection thermique - Poudres - Composition, conditions
techniques de livraison

Thermisches Spritzen - Pulver - Zusammensetzung,
technische Lieferbedingungen

This European Standard was approved by CEN on 13 September 2004.

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Foreword

This document (EN 1274:2004) has been prepared by Technical Committee CEN/TC 240 “Thermal spraying and thermally sprayed coatings”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

This document supersedes EN 1274:1996.

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Introduction

The document has been aimed to designate the most important thermal spray-coating powders on the basis of their composition, their manufacturing process and their particle size distribution. The majority of commercially available powders is covered by and can be characterised and specified according to this document.

The document is meant to simplify understanding of the great product variety on the market for the manufacturer and user, and nevertheless offer a vast choice.

Due to the number of the spray powders referred to in this document, in some cases abbreviations are used.

Exception is granted to details on the properties of sprayed coatings. Such properties resulting from spraying conditions not covered by this document, e.g. gas composition, deposition efficiency, material flow rate, stand off distance, etc., can differ greatly from the properties of the original powder.

Applications of powders for thermal spraying have been explicitly described in the relevant literature; therefore, a separate outline in this place is not necessary.

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