



National Standards Authority of Ireland

IRISH STANDARD

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ICS 25.220.40

**CORROSION PROTECTION OF METALS -
ELECTRODEPOSITED COATINGS OF ZINC
WITH SUPPLEMENTARY TREATMENT ON
IRON OR STEEL**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12329

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English version

**Corrosion protection of metals - Electrodeposited coatings of
zinc with supplementary treatment on iron or steel**

Protection contre la corrosion des métaux - Revêtements
électrolytiques de zinc avec traitement complémentaire sur
fer ou acier

Korrosionsschutz von Metallen - Galvanische Zinküberzüge
auf Eisenwerkstoffen mit zusätzlicher Behandlung

This European Standard was approved by CEN on 3 February 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPAISCHES KOMITEE FÜR NORMUNG

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 262 "Metallic and other inorganic coatings", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by September 2000, and conflicting national standards shall be withdrawn at the latest by September 2000.

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.

Introduction

Electrodeposited coatings of zinc can be chromate treated in order to retard the formation of corrosion products on surfaces of coatings exposed to corrosive atmospheres. When corrosion protection is the main purpose of the coating, the usual practice is to apply a chromate or other conversion coating on top of the electrodeposited zinc coating. This is particularly effective in retarding the formation of white corrosion products which form on zinc coatings under certain conditions (see annex A).

Certain types of chromate conversion coating can be coloured in order to facilitate identification of the treated articles.

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