



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 12472:2006

ICS 39.060

**METHOD FOR THE SIMULATION OF WEAR
AND CORROSION FOR THE DETECTION OF
NICKEL RELEASE FROM COATED ITEMS**

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EUROPEAN STANDARD

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NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2005

ICS 39.060

Supersedes EN 12472:1998

English Version

Method for the simulation of wear and corrosion for the detection of nickel release from coated items

Méthode de simulation de l'usure et de la corrosion pour la
détermination du nickel libéré par les objets revêtus

Simulierte Abrieb- und Korrosionsprüfung zum Nachweis
der Nickelabgabe von mit Auflagen versehenen
Gegenständen

This European Standard was approved by CEN on 21 November 2005.

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.

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Foreword

This European Standard (EN 12472:2005) has been prepared by Technical Committee CEN/TC 283 "Precious metals - Applications in jewellery and associated products", the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by June 2006, and conflicting national standards shall be withdrawn at the latest by June 2006.

This European Standard supersedes EN 12472:1998.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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

EN 12472:2005 (E)

Introduction

The wear of objects in contact with the skin depends very much on the type and shape of the objects and the activities of the person concerned. This procedure attempts to simulate the wear and corrosion on a coated article during two years of normal use. By its nature this is a pragmatic solution to the problems posed by the evaluation of coated items in contact with the skin, which may be subject to several kinds and varying degrees of wear.

In order to show compliance with Directive 94/27/EC, items should be tested in accordance with the appropriate European harmonised standard(s), the references of which have been published by the European Commission in the Official Journal of the European Communities. Currently, these are EN 1810, EN 1811 and this European Standard.

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