
Steklasti in keramični emajli za aluminij - Ugotavljanje adhezije emajlov na aluminiju pod vplivom elektrolitske raztopine (preskus z luščenjem) (ISO 13805:1999)

Vitreous and porcelain enamels for aluminium - Determination of the adhesion of enamels on aluminium under the action of electrolytic solution (spall test) (ISO 13805:1999)

Aluminium-Emails - Bestimmung der Haftung von Aluminium-Emails unter Einwirkung von Elektrolytlösungen (ISO 13805:1999)

Émaux vitrifiés déposés sur l'aluminium - Détermination de l'adhérence à l'aide d'un électrolyte (essai d'écaillage) (ISO 13805:1999)

Ta slovenski standard je istoveten z: EN ISO 13805:2009

ICS:

25.220.50	Emajlne prevleke	Enamels
77.120.10	Aluminij in aluminijeve zlitine	Aluminium and aluminium alloys

SIST EN ISO 13805:2009

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 13805

January 2009

ICS 25.220.50

English Version

Vitreous and porcelain enamels for aluminium - Determination of the adhesion of enamels on aluminium under the action of electrolytic solution (spall test) (ISO 13805:1999)

Émaux vitrifiés déposés sur l'aluminium - Détermination de l'adhérence à l'aide d'un électrolyte (essai d'écaillage) (ISO 13805:1999)

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This European Standard was approved by CEN on 13 December 2008.

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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 CEN Management Centre has the same status as the official versions.

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Foreword

The text of ISO 13805:1999 has been prepared by Technical Committee ISO/TC 107 “Metallic and other inorganic coatings” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 13805:2009 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of an identical text or by endorsement, at the latest by July 2009, and conflicting national standards shall be withdrawn at the latest by July 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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The text of ISO 13805:1999 has been approved by CEN as a EN ISO 13805:2009 without any modification.

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INTERNATIONAL STANDARD

**ISO
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First edition
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Vitreous and porcelain enamels for aluminium — Determination of the adhesion of enamels on aluminium under the action of electrolytic solution (spall test)

*Émaux vitrifiés déposés sur l'aluminium — Détermination de l'adhérence
à l'aide d'un électrolyte (essai d'écaillage)*

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Reference number
ISO 13805:1999(E)

ISO 13805:1999(E)**Foreword**

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 13805 was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*.

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Introduction

The spalling of porcelain enamelled aluminium, a defect characterized by separation of the porcelain enamel from the aluminium base material, is caused by poor adhesion. The spall test is therefore capable of controlling the quality of the enamelling process including the enamel formulation, the preparation of the base metal prior to enamelling, the application and firing procedures, and the aluminium alloy selected for enamelling.

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