

Sanitary tapware - General specification for electrodeposited coatings of Ni-Cr

Sanitary tapware - General specification for
electrodeposited coatings of Ni-Cr

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

| | |
|--|---|
| <p>Käesolev Eesti standard EVS-EN 248:2003 sisaldab Euroopa standardi EN 248:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.02.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p> | <p>This Estonian standard EVS-EN 248:2003 consists of the English text of the European standard EN 248:2002.</p> <p>This document is endorsed on 18.02.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p> |
|--|---|

| | |
|--|--|
| <p>Käsitlusala:</p> <p>This European Standard specifies: - the condition of the exposed surfaces of tapware ; - the characteristics (resistance to corrosion, adherence) of the surface coating ; - the tests for verifying these characteristics.</p> <p>It applies to all sanitary fittings (supply or waste fittings) which have a metallic Ni-Cr coating, whatever the nature of the substrate material</p> | <p>Scope:</p> <p>This European Standard specifies: - the condition of the exposed surfaces of tapware ; - the characteristics (resistance to corrosion, adherence) of the surface coating ; - the tests for verifying these characteristics.</p> <p>It applies to all sanitary fittings (supply or waste fittings) which have a metallic Ni-Cr coating, whatever the nature of the substrate material</p> |
|--|--|

ICS 91.140.70

Võtmesõnad: consistency, consistency (m, corrosion protection, corrosion resistance, definition, definitions, draw-off taps, finishes, inspection, metal coatings, nickel, nickel alloys, properties, protective coatings, sanitary, specification (approval), specifications, testing

English version

Sanitary tapware

General specification for electrodeposited coatings of Ni-Cr

Robinetterie sanitaire – Spécifications
générales des revêtements électroly-
tiques de Ni-Cr

Sanitärarmaturen – Allgemeine Anfor-
derungen für elektrolytische Ni-Cr-
Überzüge

This European Standard was approved by CEN on 2002-09-02.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Management Centre: rue de Stassart 36, B-1050 Brussels

Contents

| | Page |
|--|------|
| Foreword..... | 2 |
| 1 Scope | 3 |
| 2 Normative references | 3 |
| 3 Terms and definitions..... | 3 |
| 4 Exposed surfaces | 3 |
| 4.1 Condition of exposed surfaces | 3 |
| 4.2 Description of possible defects..... | 4 |
| 4.3 Visual examination before tests | 4 |
| 4.4 Requirements | 4 |
| 5 Quality of coating..... | 4 |
| 5.1 Corrosion resistance test - test with neutral saline spray..... | 4 |
| 5.2 Test for coating adherence - Test for resistance to thermal shock..... | 5 |
| Annex A (informative) Image type extract from EN ISO 10289:2001 | 6 |
| Annex B (informative) Test temperature tolerances in relation to test duration | 7 |

Foreword

This document (EN 248:2002) has been prepared by Technical Committee CEN /TC 164, "Water supply", the secretariat of which is held by AFNOR.

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 April 2003 and conflicting national standards shall be withdrawn at the latest by April 2003.

This document supersedes EN 248:1989.

In this European Standard Annexes A and B are informative.

This standard complements product standards already published or draft standards being developed by CEN/TC 164/WG 8. (single taps and combination taps thermostatic mixing valves, jet regulators, mechanical mixing valves, waste outlet fittings....) which refer to this standard.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies:

- the condition of the exposed surfaces of tapware ;
- the characteristics (resistance to corrosion, adherence) of the surface coating ;
- the tests for verifying these characteristics.

It applies to all sanitary fittings (supply or waste fittings) which have a metallic Ni-Cr coating, whatever the nature of the substrate material.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN ISO 10289:2001, *Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates - Rating of test specimens and manufactured articles subjected to corrosion tests (ISO 10289:1999)*

ISO 9227, *Corrosion tests in artificial atmospheres - Salt spray tests.*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

3.1

exposed surfaces

outside surfaces of tapware are the surfaces which are visible in use conditions

3.2

surfaces not considered as exposed surfaces :

- a) internal surfaces of, for example operating members, caps, knobs, etc. ;
- b) parts usually or always hidden by another component, e.g. linkage of a waste outlet fitting.

4 Exposed surfaces

4.1 Condition of exposed surfaces

Exposed surfaces shall be protected against corrosion.