National Standards Authority of Ireland

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BUILDING HARDWARE - GASKET AND WEATHERSTRIPPING FOR DOORS, WINDOWS, SHUTTERS AND CURTAIN WALLING - PART 4: RECOVERY AFTER ACCELERATED AGEING TEST METHOD

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Building hardware - Gasket and weatherstripping for doors, windows, shutters and curtain walling - Part 4: Recovery after accelerated ageing test method

Quincaillerie pour le bâtiment - Profilés d'étanchéité de vitrage et entre ouvrant et dormant pour portes, fenêtres, fermetures et façades rideaux - Partie 4: Méthode d'essai pour déterminer la reprise élastique après vieillissement

Baubeschläge - Dichtungen und Dichtungenprofile für Fenster, Türen und andere Abschlüsse sowie vorgehängte Fassaden - Teil 4: Langzeitrückstellvermögen, Prüfverfahren

This European Standard was approved by CEN on 1 August 2003.

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.

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 Management Centre 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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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Contents

page

Foreword

This document (EN 12365-4:2003) has been prepared by Technical Committee CEN/TC 33 "Doors, windows, shutters, building hardware and curtain walling", 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of an identical text or by endorsement, at the latest by March 2004, and conflicting national standards shall be withdrawn at the latest by March 2004.

EN 12365, Building hardware – Gaskets and weatherstripping, consists of the following parts:

— *Part 1: Performance requirements and classification;*

— *Part 2: Linear compression test method;*

— *Part 3: Deflection recovery test method;*

— *Part 4: Recovery after accelerated ageing test method.*

This Standard is one of a series of European Standards for building hardware.

Annexes A and B are informative.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This Part of this European Standard specifies the method to be used to select, prepare, condition and test samples of typical raw materials, to determine the long term performance of gaskets and weatherstripping under the conditions laid down in the test after ageing at the maximum working temperature.

The test has been devised to cover all likely raw materials.

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 this 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 12365-1:2003, *Building hardware — Gaskets and weatherstripping for doors, windows, shutters and curtain walling — Part 1: Performance requirements and classification*

EN 12365-2, *Building hardware — Gaskets and weatherstripping for doors, windows, shutters and curtain walling — Part 2: Linear compression force test methods*

EN 12365-3, *Building hardware — Gaskets and weatherstripping for doors, windows, shutters and curtain walling — Part 3: Deflection recovery test method*

prEN 12519:2003, *Windows and doors - Terminology*

ISO 188, *Rubber, vulcanized and thermoplastic — Accelerated ageing and heat resistance tests*

3 Terms and definitions

For the purposes of this European Standard the terms and definitions given in EN 12365-1:2003 and prEN 12519:2003 apply.

4 Requirements

4.1 Maximum working temperature range

Six ranges of temperature are identified:

— grade 1: 0 °C to +45 °C;

— grade 2: -10 °C to +55 °C;

— grade 3: -20 °C to +85 °C;

— grade 4: -25 °C to +100 °C;

— grade 5: -40 °C to +70 °C;

— grade 6: 0 °C to +200 °C.