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Determination of the uplift resistance of installed clay or concrete tiles for roofing - Roof system test method

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

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English Version

Determination of the uplift resistance of installed clay or concrete tiles for roofing - Roof system test method

Détermination de la résistance au soulèvement des tuiles en terre cuite ou en béton mises en œuvre sur la toiture - Méthode d'essai par système de toiture Bestimmung des Abhebewiderstandes von verlegten Dachziegeln oder Dachsteinen - Prüfverfahren für Dachsysteme

This European Standard was approved by CEN on 29 August 2022.

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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-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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EN 14437:2022 (E)

European foreword

This document (EN 14437:2022) has been prepared by Technical Committee CEN/TC 128 "Roof covering products for discontinuous laying and products for wall cladding", the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by May 2023, and conflicting national standards shall be withdrawn at the latest by May 2023.

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

This document supersedes EN 14437:2004.

In comparison with the previous edition, the following technical modifications have been made: the test method has not changed, but the interpretation of the results includes the introduction of serviceability and ultimate failure loads in accordance with Eurocode EN 1990.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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EN 14437:2022 (E)

Introduction

This document gives a test method and failure criteria for determining the uplift resistance of clay or concrete tiles for roofing.

The results of this test may be used to determine the uplift force which can be withstood by the fixing, e.g. to withstand wind force.

EN 14437:2022 (E)

1 Scope

This document specifies a test method to establish the uplift resistance of installed clay or concrete tiles for roofing, complying with the relevant product standard, EN 490 or EN 1304, which are unfixed or mechanically fixed to the substructure.

NOTE The test method has been developed for clay or concrete tiles for roofing, but can apply to other discontinuously laid small elements, such as: slates; fibre cement slates; stones; and, adapted accordingly, to photovoltaic and solar thermal panels.

The test method is applicable to mechanical fixings such as clips, hooks, screws and nails.

The method is not applicable to fixed tiles having fixing patterns with less than every third tile fixed.

The test method is not applicable to under and over tiles. Examples of these tiles are given in Annex F.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN