

Concrete roofing tiles and fittings for roof covering and wall cladding - Test methods

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and wall cladding - Test methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 491:2005 sisaldab Euroopa standardi EN 491:2004 + AC:2005 ingliskeelset teksti. Käesolev dokument on jõustatud 25.01.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 491:2005 consists of the English text of the European standard EN 491:2004 + AC:2005. This document is endorsed on 25.01.2005 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This European Standard specifies test methods for concrete roofing tiles and fittings conforming to prEN 490:2004, for assembly into pitched roof covering or external wall cladding or internal wall lining cladding.	Scope: This European Standard specifies test methods for concrete roofing tiles and fittings conforming to prEN 490:2004, for assembly into pitched roof covering or external wall cladding or internal wall lining cladding.
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Võtmesõnad: building stones, concrete blocks, concretes, construction, construction materials, moulded bricks, roof coverings, roofing tiles, stone, testing

Hinnagrupp L

English version

**Concrete roofing tiles and fittings for roof covering and wall
cladding - Test methods**

Tuiles et accessoires en béton pour couverture et bardage
- Méthodes d'essais

Dach- und Formsteine aus Beton für Dächer und
Wandbekleidungen - Prüfverfahren

This European Standard was approved by CEN on 20 October 2004.

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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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of 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.



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Foreword

This document (EN 491:2004) 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 IBN.

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 2005, and conflicting national standards shall be withdrawn at the latest by September 2006.

This document supersedes EN 491:1994.

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.

1 Scope

This document specifies test methods for concrete roofing tiles and fittings conforming to EN 490, for assembly into pitched roof covering or external wall cladding or internal wall lining cladding.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 490:2004, *Concrete roofing tiles and fittings for roof covering and wall cladding — Product specifications*.

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 490:2004 apply.

4 Symbols and abbreviations

l_1	hanging length of a tile as defined in Figure 1a) and 1c), in millimetres;
l_2, l_3	hanging edge lengths of a tile as defined in Figure 1.b), in millimetres;
c_w	nominal cover width of one tile, in millimetres;
c_{wc}	cover width closed up value of 10 tiles, in millimetres;
c_{wd}	cover width drawn out value of 10 tiles, in millimetres;
d	profile depth of a tile, in millimetres;
x	angle at which test tiles are hung as defined in Figure 1a), in degrees.

5 Test methods

5.1 General

Where other test methods are used for factory production control (FPC) a satisfactory statistical correlation with the test methods specified in this document shall be demonstrated.

5.2 Hanging length and squareness of regular front edge tiles

5.2.1 Principle

Tiles are hung from steel battens and measured to establish hanging length and also the squareness of regular front edge tiles.