



SLOVENSKI STANDARD
SIST EN 490:2012/kFprA1:2015
01-september-2015

**Betonski strešniki in fazonski kosi za prekrivanje streh in oblaganje sten -
Specifikacije za proizvod**

Concrete roofing tiles and fittings for roof covering and wall cladding - Product specifications

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

Tuiles et accessoires en béton pour couverture et bardage - Spécifications des produits

Ta slovenski standard je istoveten z: EN 490:2011/FprA1

ICS:

91.060.20	Strehe	Roofs
91.100.30	Beton in betonski izdelki	Concrete and concrete products

SIST EN 490:2012/kFprA1:2015 **en,fr,de**

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
EN 490:2011

FprA1

July 2015

ICS 91.100.30

English Version

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Wandbekleidungen - Produkthanforderungen

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 128.

This draft amendment A1, if approved, will modify the European Standard EN 490:2011. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Foreword

This document (EN 490:2011/FprA1:2015) has been prepared by Technical Committee CEN/TC 128 "Concrete tiles and fittings", the secretariat of which is held by BSI.

This document is currently submitted to the Unique Acceptance Procedure.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

EN 490:2011/FprA1:2015 (E)**1 Modification to the Foreword**

Replace penultimate paragraph with:

"This amendment to EN 490:2011 implements EU Regulation no. 305/2011."

2 Modification to Clause 3, Terms and definitions

Add:

**"3.12
product type**

set of representative performance levels or classes of a construction product, in relation to its essential characteristics, produced using a given combination of raw materials or other elements in a specific production process".

3 Modification to Clause 6, Evaluation of conformity

Change the title to:

"Assessment and verification of constancy of performance (AVCP)".

4 Modifications to 6.1, General

In the first sentence, after "European Standard", add "and with the performances declared by the manufacturer in the declaration of performance" to read:

"The compliance of a concrete roofing tile or fitting with the requirements of this European Standard and with the performances declared by the manufacturer in the declaration of performance (DoP) shall be demonstrated by:".

Add to the first bullet point "determination of the product type by" to read:

"

— determination of the product type by initial type testing (ITT), and".

5 Modifications to 6.2, Type testing

In the he third paragraph following PCS values, add "demonstrating their compliance" to read:

"In respect of reaction to fire performance, if the raw materials for coating systems are supplied with a declaration of their PCS values demonstrating their compliance, no testing for PCS is required to demonstrate compliance with the limits given in 5.9.2.2.2."

Add a new last paragraph:

"A manufacturer may use the results of the product type determination obtained by someone else (e.g. by another manufacturer, as a common service to manufacturers, or by a product developer), to justify his own declaration of performance regarding a product that is manufactured according to the same design (e.g. dimensions) and with raw materials, constituents and manufacturing methods of the same kind."

6 Modification to 6.3, Factory production control (FPC)

In the second paragraph, add to the end of the sentence ", if they apply to the product", to read:

"The FPC system shall include the tests identified in the relevant column in Table 2, if they apply to the product."

7 Modification to Annex ZA

Replace Annex ZA (including change in title) with the following:

"

Annex ZA (informative)

Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation

ZA.1 Scope and relevant clauses

This European Standard has been prepared under the following mandates given to CEN by the European Commission and the European Free Trade Association:

- M/121, 'Internal and external wall and ceiling finishes', and
- M/122, 'Roof coverings, roof lights, roof windows and ancillary products'.

If this European standard is cited in the Official Journal of the European Union (OJEU), the clauses of this standard, shown in this annex, are considered to meet the provisions of the relevant mandate, under the Regulation (EU) No. 305/2011.

This annex deals with the CE marking of the concrete roofing tiles and fittings for roof covering and wall cladding intended for the uses indicated in Table(s) ZA.1.1 to ZA.1.2 and shows the relevant clauses applicable.

NOTE 1 In addition to any specific Clauses relating to dangerous substances contained in this European Standard, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the EU Construction Products Regulation, these requirements also need to be complied with, when and where they apply.

NOTE 2 National regulations on dangerous substances may require verification and declaration on release, and sometimes content, when construction products covered by this European Standard are placed on those markets. In the absence of European harmonized test methods, verification and declaration on release/content should be done taking into account national provisions in the place of use. An informative database of European and national provisions on dangerous substances is available at the Construction web site on EUROPA (accessed through <http://ec.europa.eu/enterprise/construction/cpd-ds>.)

EN 490:2011/FprA1:2015 (E)

Table ZA.1.1 — Relevant clauses for roof coverings

Product: Concrete roofing tiles and fittings			
Intended use: for pitched roof coverings			
Essential Characteristics	Clauses in this and other European Standard(s) related to essential characteristics	Regulatory classes	Notes
Mechanical resistance	5.5	-	Declared compliance
External fire resistance	5.9.1	-	Declared class
Reaction to fire	5.9.2	Classes A1 to F	Declared class
Water impermeability	5.6	-	Declared compliance
Dimensional variation	5.2	-	Declared compliance
Durability	5.7	-	Declared compliance
Release of dangerous substances	5.10	-	-

Table ZA.1.2 — Relevant clauses for external wall cladding and internal wall lining

Product: Concrete roofing tiles and fittings			
Intended use: for external wall cladding and internal wall lining			
Essential Characteristics	Clauses in this and other European Standard(s) related to essential characteristics	Regulatory classes	Notes
Mechanical resistance	5.5	-	Declared compliance
Reaction to fire	5.9.2	Classes A1 to F	Declared class
Water impermeability	5.6	-	Declared compliance
Dimensional variation	5.2	-	Declared compliance
Durability	5.7	-	Declared compliance
Release of dangerous substances	5.10	-	-

The declaration of the product performance related to certain essential characteristics is not required in those Member States (MS) where there are no regulatory requirements on these essential characteristics for the intended use of the product.

In this case, manufacturers placing their products on the market of these MS are not obliged to determine nor declare the performance of their products with regard to these essential characteristics and the option “No performance determined” (NPD) in the information accompanying the CE marking and in the declaration of performance (see ZA.3) may be used for those essential characteristics.

ZA.2 Procedure for AVCP

ZA.2.1 System(s) of AVCP

The AVCP system(s) of concrete roofing tiles and fittings indicated in:

- Table ZA.1.1 in accordance with the Decision of the Commission 98/436/EC of 1998-06-22 (see OJEU L194 of 1998-07-10), as corrected (see OJEU L278 of 1998-10-15) and amended by 2001/596/EC of 2001-01-08 (see OJEU L209 of 2001-08-02), and
- Table ZA.1.2, in accordance with the Decision of the Commission 98/437/EC of 1998-06-30 (see OJEU L194 of 1998-07-10), as corrected (see OJEU L278 of 1998-10-15) and amended by 2001/596/EC of 2001-01-08 (see OJEU L209 of 2001-08-02),

are shown in Table ZA.2 for the indicated intended uses and relevant levels or classes.

Table ZA.2 — Systems of AVCP

Product(s)	Intended use(s)	Level(s) or class(es) of performance	AVCP systems
Roofing tiles, slates, stones and shingles	For uses subject to reaction to fire regulations	A1*, A2*, B* and C*	1
		A1**, A2**, B**, C**, D and E	3
		(A1 to E)***, F	4
	For uses subject to external fire performance regulations	See EN 13501-5 F _{ROOF}	3 4
	For uses subject to regulations on dangerous substances	—	—
	For uses other than specified above	—	4
Tiles, sidings, panels	As internal or external finishes in wall or ceilings subject to reaction to fire regulations	A1*, A2*, B* and C*	1
		A1**, A2**, B**, C**, D and E	3
		(A1 to E)***, F	4
	As internal or external finishes in walls or ceilings, as relevant, subject to regulations on dangerous substances	—	—
	As internal or external finishes in walls or ceilings for other uses mentioned in the mandate	—	4