

**SLOVENSKI  
PREDSTANDARD**

**SIST EN 494:2005/oprA2:2005**

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**Vlaknato-cementne valovite strešne plošče in fazonski kosi - Specifikacija za izdelek in preskusne metode**

Fibre cement profiled sheets and fittings - Product specification and test methods

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ICS 91.060.20; 91.100.40

Referenčna številka  
SIST EN 494:2005/oprA2:2005(en)



ICS

English version

## Fibre cement profiled sheets and fittings - Product specification and test methods

Plaques profilées en fibres-ciment et accessoires -  
Spécifications du produit et méthodes d'essai

Faserzement-Wellplatten und dazugehörige Formteile -  
Produktspezifikation und Prüfmethoden

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

This draft amendment A2, if approved, will modify the European Standard EN 494:2004. 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.

This draft amendment was established by CEN 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.

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

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

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## Foreword

This document (EN 494:2004/prA2:2005) 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 document is currently submitted to the CEN Enquiry.

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).

## **1 Modification to clause 2**

Add the following normative reference:

“EN 13823, *Reaction to fire tests for building products – Building products excluding floorings exposed to the thermal attack by a single burning item*”

## **2 Modifications to 7.5.2.2**

### **2.1 Modification 1**

Add the following subtitle:

“7.5.2.2.1 General”

### **2.2 Modification 2**

Add the following paragraphs:

“ **7.5.2.2.2 Mounting and fixing provisions for EN 13823**

#### **7.5.2.2.2.1 End use applications**

The end uses covered by the standardised mounting and fixing are fibre cement profiled sheets and fittings used as external layer for discontinuously laid roof coverings, used as internal and external wall finishes and used as external ceiling finishes. In these end uses, the side of the product directed away from the fire is in contact with air and there are no other products immediately behind (e.g. without the use of thermal insulation materials in contact, behind the external layer or in the cavity).

#### **7.5.2.2.2.2 Test specimen**

Products used for the construction of the test assembly are fibre cement profiled sheets with standard dimensions of length, width and thickness. They are cut to size to accommodate the dimensions of the test assembly. They include all facings and/or coatings that are normally applied to the product as it is placed on the market.

#### **7.5.2.2.2.3 Test assembly**

##### **7.5.2.2.2.3.1 Dimensions**

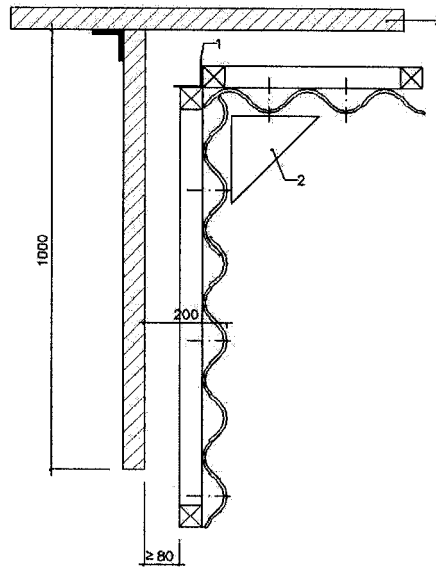
The test assembly is a corner set up made of two timber frame supporting constructions to which the fibre cement profiled sheets are fixed. One frame forms a long wing (1,0 m) the other frame forms a short wing (0,5 m). Further information is given in Figures 1, 2, 3, 4 and 5.







Dimensions in mm; tolerances: 2%, unless otherwise specified in text



#### Key

- 1 Metal bracket or profile for connecting both frames
- 2 Test burner
- 3 Backing sheet

**Figure 5: Corner set-up**

#### 7.5.2.2.3.2 Supporting construction

Both long and short wing frames are made out of wood,  $(50 \pm 1)$  mm x  $(50 \pm 1)$  mm or other available standard sizes for vertical and horizontal members provided sufficient stability for the frames is obtained. They are nailed or screwed together. When mounted into the test rig they are positioned such as to leave a space of at least 80 mm between the test rig backing board and the frame. The frames with the fibre cement profiled sheets fixed to it shall be free standing. This configuration is representative for the end use as described in 7.5.2.2.2.1.

#### 7.5.2.2.3.3 Fixings

The fibre cement profiled sheets are screwed onto the supporting frame using the normal self drilling and tapping metal screws as in practice. Washers and EPDM rubber or bituminous sealants as used in practice shall be used.

The screws are positioned in the top of the corrugation as in practice and at locations as indicated on the respective figures for product fixing short and long wing (see Figures 1 to 5).

#### 7.5.2.2.3.4 Product orientation

For all end use applications, the testing is performed in vertical position. Products with identical surface finishes on both sides have to be tested at one side only. Products with different surface finishes or coatings on different sides shall be tested on both sides or with the side having the finish with the highest organic