



PAVUS, a.s.
AUTHORIZED BODY AO 216 NOTIFIED BODY
NB 1391 ACCREDITED CERTIFICATION BODY
FOR CERTIFICATION OF PRODUCTS No. 3041

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FIRE RESISTANCE CLASSIFICATION PROTOCOL

Classification subject:	Load-bearing walls with fire barrier function acc. to ČSN EN 13501-2:2010+A1, art. 7.3.2.	
Identification no.:	PK2-02-05-004-C-1	
Element name and type:	Load-bearing wall from wood-cement building blocks IZOBLOK 20/0	
Client:	MFC – MORFICO s.r.o. Olbrachtova 1758 CZ 666 03 Tišnov 3	
Issuing organisation:	PAVUS, a.s. Authorised body AO 216 Notified body 1391 Accredited certification body for certification of products no. 3041 - The accreditation issued by the Český institut pro akreditaci, o. p. s. (Czech Accreditation Institute), Accreditation certificate no. 479/2007 Prosecká 412/74 CZ 190 00 PRAHA 9 Job no. 110 242/Z210100094	
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1. INTRODUCTION

1.1. This classification protocol determines the classification of the specified product in compliance with the procedures specified in ČSN EN 13501-2+A1.

1.2. The classification protocol consists from 4 pages and can be used only in whole.

1.3. This classification protocol replaces and abrogates the Classification protocol no. PK2-02-05-004-C-O from 27th April 2005.

2. DETAILED INFORMATION ON CLASSIFIED ELEMENT

2.1. General

The load-bearing wall from wood-cement building blocks IZOBLOK 20/0 is defined as the load-bearing structure element. It is to fulfil the function of the fire barrier structure regarding the fire characteristics and properties specified in the article 5 of the ČSN EN 13501-2+a1

2.2. Description

- ◆ Wall dimensions - height 3250 mm, thickness 200 mm
- ◆ Wood-cement building blocks IZOBLOK 20/0 laid by dry method
- ◆ Building block cavities filled with the C16/20 concrete, simultaneous installation of several layers
- ◆ 5 longitudinal rods Ø R10 in the head, anchor yokes Ø R10 on sides in every third layer of the building blocks

Manufacturer of wall: MORFICO, s.r.o.

Detailed description of the product, incl. drawing, is included in the Test protocol no. *Pr-05-1.02.084* from 27th April 2005.

3. TEST PROTOCOLS / PROTOCOLS ON EXTENDED APPLICATION AND TEST RESULTS USED FOR THE CLASSIFICATION

3.1. Test Protocols / Protocols on Extended Application

Name of Laboratory Address Accreditation No.	Client of the Test Protocol	Protocol No. Issue Date	Testing procedure
PAVUS, a. s. Veselí nad Lužnicí AZLČ. 1026	MFC - MORFICO, s.r.o. Červený Mlýn 170 CZ 666 01 Tišnov	Pr-05-1.02.084 27/04/2005	ČSN EN 1365-1

3.2. Stress conditions and test results

Testing Procedure, Protocol No. Issue Date	Parameter	
ČSN EN 1365-1 Pr-05-1.02.084 2005-04-27	Thermal stress Stress direction Applied load Support conditions	Standardized curve temperature/time Symmetric composition structure Even continuous load $q = 65 \text{ kN.m}^{-1}$ applied in the wall axis Height 3250 mm, free sides of the testing wall
	Load capacity (R) Axis compression limit Axis compression rate limit	95 minutes, no break 95 minutes, no break
	Integrity (E) Cotton cushion Feeler gauges Permanent burning	95 minutes, no break 95 minutes, no break 95 minutes, no break
	Insulation (I) Average temperature Maximum temperature	95 minutes, no break 95 minutes, no break

4. CLASSIFICATION AND APPLICATION AREA

4.1. Reference

This classification was performed in compliance with the ČSN EN 13501-2+A1:2010, art. 7.

4.2. Classification

This element was classified acc. to following combination of parameters, properties and classes of the fire resistance.

4.3. Application Area

In compliance with the ČSN EN 13501-2+A1 a ČSN EN 1365-1 results of the fire test of the sample - *load-bearing wall from wood-cement building blocks IZOBLOK 20/0* - can be directly applied to the same structures, on which one or multiply modifications specified below and which are of such nature that the rigidity and stability of the structure comply with the relevant standard:

- Height decrease
- Wall thickness increase
- Wall width increase
- Applied load decrease

5. LIMITATION

The classification was extended on basis of statement of the client that he has performed no modifications in the production technology and individual components of the product, in their suppliers, and in addition on basis on the fact that the testing methodology used for tests in this classification was not changed.

The protocol is valid for 5 years from date of its issuing.

This protocol does not replace the type approval or the product certificate.

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Fire Testing Laboratory

Checked by:

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Approved by:

Ing. Jaroslav Dufek

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