BUILDING RESEARCH INSTITUTE
FIRE RESEARCH DEPARTMENT

GROUP OF TESTING LABORATORIES
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FIRE TESTING LABORATORY (LP)

AB 023

REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH PN-EN 13501-1+A1:2010

Contract no. 1901/10/R04NPU

Sponsor:	Milin B.V. Postbus 1414 3430 BK Nieuwegein Nederland / The Netherlands
Prepared by:	**Building Research Institute; 1, Filtrowa str. 00-611 Warszawa, Poland**
Product name:	No. Eurotexx. 440.XXX.XXXX = S202 No. Eurotexx. 448.XXX.XXXX = S201
Classification report No.:	**1901.2/10/R04NPU**
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This classification report consists of five pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to PVC siding panels S202 and S201 in accordance with the procedures given in PN-EN 13501-1+A1:2010.

2. Details of classified product

2.1 General

The product is defined as PVC siding panels.

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2.2 Product description

The product, is described below.

Product description:

PVC siding panels S202 and S201 are made from two layers of PVC.
Bottom layer is made from foaming PVC with density: 0,45 – 0,55 g/cm^3
Top layer is made from solid PVC with density 1,46 g/cm^3
The thickness of whole panel S202 is 7 mm, the thickness of top layer PVC is 0,5 mm.
The thickness of whole panel S201 is 6,5 mm, the thickness of top layer PVC is 0,5 mm.

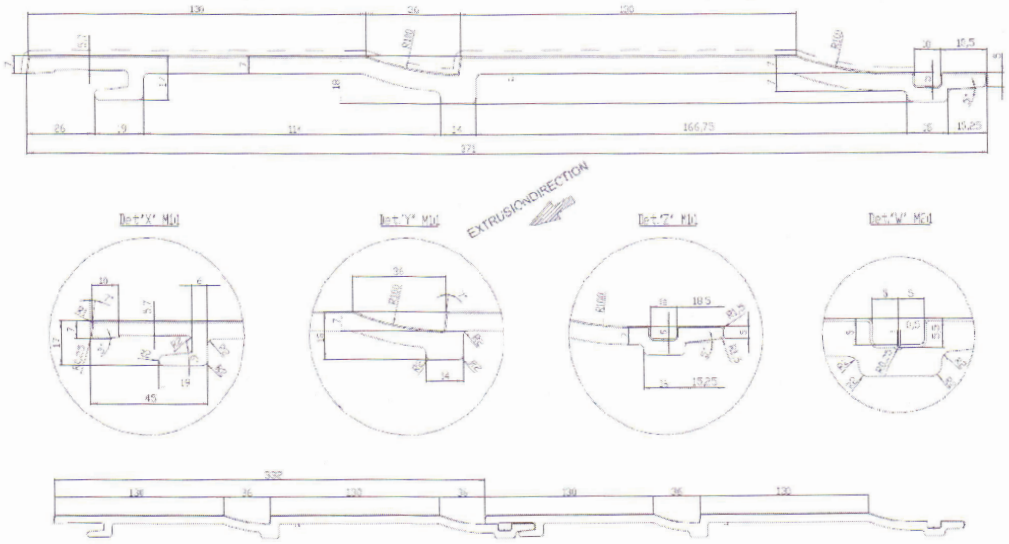

Fig.1 The PVC siding panel S202

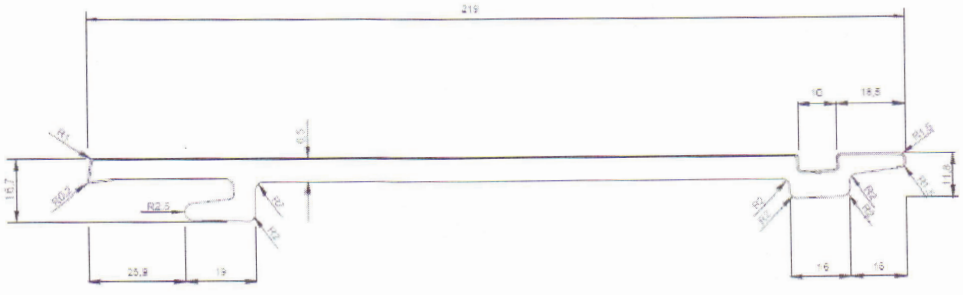

Fig.2 The PVC siding panel S201

3. Test reports & test results in support of classification

3.1 Test reports

Name of laboratory	Name of sponsor	Test report no.	Test method
Fire Testing Laboratory of ITB	Milin B.V.	LP03-1901/10/R04NPU	PN-EN ISO 11925-2
		LP02-1901/10/R04NPU	PN-EN 13823

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
PN-EN ISO 11925-2 Surface and edge exposure exposure time 30 s PVC siding panel S202	F_s ≤150 mm	12	(–)	Y
	Flaming Droplets/particles		(–)	N
PN-EN 13823 PVC siding panel S202	FIGRA $_{0,2MJ}$	3	90,6	(–)
	FIGRA $_{0,4MJ}$		58,2	(–)
	LFS < edge		(–)	Y
	THR_{600s} [MJ]		7,1	(–)
	SMOGRA [m^2/s^2]		88,9	(–)
	TSP_{600s} [m^2]		388,0	(–)
	Flaming Droplets/particles		(–)	N

(–): do not concern
Y: Yes
N: No

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with PN-EN 13501-1+A1:2010.

4.2 Classification

The products, PVC siding panels S202 and S201, in relation to its reaction to fire behaviour are classified:

B

The additional classification in relation to smoke production is:

s3

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	3	,	d	0

i.e.: B-s3,d0

Reaction to fire classification: B-s3,d0

4.3 Field of application

This classification is valid for the following product parameters:

- PVC siding panels S202 and S201 described in point 2.2 of this classification report.

This classification is valid for the following substrates, fixing and air gaps:

- substrates with fire classifications A1 and A2 except plasterboards
- without air gaps

5 Limitations

This classification given remains valid as long as:

- test method remains unchanged,
- product standard or technical approval remains unchanged,
- constructional or material modifications do not exceed limits of the field of application defined in 4.3.

This classification report has been issued in two copies. Additional signed copies can be issued by Fire Research Department of ITB on the request of the report's owner only.

This classification document does not represent type approval or certification of the product.

SIGNED

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APPROVED

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