REPORT
issued by an Accredited Testing Laboratory

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Accred. No. 1002
Testing
ISO/IEC 17025

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Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to the product "Forestia Chipboard + Teknosafe 2457" in accordance with the procedure given in EN 13501-1:2007+A1:2009.

2 Details of classified product

2.1 General

The product "Forestia Chipboard + Teknosafe 2457" is defined as a coated wooden particle board system. Its classification is valid for the following end use applications:

According to the owner of this classification report, this product complies with the European product specification EN 13986.

2.2 Product description

The product, "Forestia Chipboard + Teknosafe 2457", is fully described below:

Coated wooden fibre board system, consisting of a core of "Forestia Chipboard", nominal thickness 12 mm and nominal density 700 kg/m^3. The facing of the product is coated with a FR-paint called "Teknosafe 2457", nominal area weight of 250 – 300 g/m^2 (wet weight).

3 Test reports & test results in support of classification

3.1 Test reports

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
SP	Teknos Norge AS	6P00077	EN 13823 and EN ISO 11925-2

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3.2 Test results

Test method	Parameter	Number of tests	Results Continuous parameter mean (m)	Compliance with parameters
EN ISO 11925-2 Edge/Surface flame attack**		12		
30 s exposure	$Fs \leq 150$ mm		(-)	Compliant
Flaming droplets/particles	Ignition of filter paper		(-)	No ignition of filter paper
EN 13823		3		
	$FIGRA_{0,2MJ}$ (W/s)		61	Compliant
	$FIGRA_{0,4MJ}$ (W/s)		61	Compliant
	$LFS <$ edge		(-)	Compliant
	THR_{600s}, (MJ)		6.6	Compliant
	$SMOGRA$, (m^2/s^2)		1	Compliant
	TSP_{600s}, (m^2)		36	Compliant
	Flaming droplets/particles		(-)	No flaming droplets/particles

** : as required to the end use application of the product

(-) : not applicable

4   Classification and field of application

4.1   Reference and direct field of application

This classification has been carried out in accordance with clause 11 and 15 of
EN 13501-1:2007+A1:2009.

4.2   Classification

The product called "Forestia Chipboard + Teknosafe 2457" in relation to its reaction to fire
behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

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

Fire Behaviour		Smoke Production			Flaming Droplets	
B	**-**	**s**	**1**	**,**	**d**	**0**

Reaction to fire classification: *B-s1,d0*

4.3   Field of application:

This classification is valid for the following product parameters:

Wooden fibre board "Forestia Chipboard".

Nominal thickness: 12 mm.

Nominal density: 700 kg/m^3.

Paint system consisting of the following layers, applied on the wooden fibre board.

Coating (Teknosafe 2457): nominal amount, 250 – 300 g/m^2 (wet weight).

Maximum organic content in coating specified as TOP-NCS-S0540Y20R / AV –
57.3 ml / 0.9 liter.

This classification is valid for the following end use conditions:

Substrates
- Wood based substrates at least 10 mm thick and any end use substrate of Euroclasses A1 or A2-s1,d0 at least 9 mm thick, having a density ≥ 510 kg/m^3.

Fixings
- Joints glued with PVAc adhesive.
- Mechanically fixed.

Joints
- Horizontal and vertical joints.

5 Limitations

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

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