

Classification report

Reaction to fire classification report of
product Fibo-Trespo Bathroompanels /
Respatex Bathroompanels

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TEST OBJECT
Fibo-Trespo Bathroompanels / Respatex Bathroompanels

TEST PROGRAM
NS-EN 13501-
1:2007+A1:2009

TEST LOCATION
SINTEF NBL

ABSTRACT

This classification report defines the classification assigned to Fibo-Trespo Bathroompanels / Respatex Bathroompanels in accordance with the procedures given in NS-EN 13501-1:2007.

Test results are shown in the table 2 and 3.

The product Fibo-Trespo Bathroompanels / Respatex Bathroompanels has been classified D-s1,d0.

The test results relate only to the items tested

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CLASSIFICATION
Restricted

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1 Description of the product

The product is fully described in the test reports in support of the classification listed in Clause 2.

Fibo-Trespo Bathroompanels / Respatex Bathroompanels is a waterproof covering system of plywood with high pressure laminate on the front side and a protection laminate on back side. The plywood has 7 layers and the high pressure laminate has a thickness of approximately 0.85 mm and the laminate on the backside has a thickness of approximately 0.73 mm. Total thickness is approximately 10.2 mm.

The product is manufactured in different colours, the tested product was the one with the highest content of organic material.

The colour code for the product: Decor no.: 3091 F00 White – NCS colour code: S 0500-N

Before testing the following information was recorded:

- Nominal and measured thickness: 10.2 mm
- Nominal thickness: 790 kg/m³. Measured square density and density: respectively 8.04 kg/m² and 789 kg/m³.
- Measured density, mineral wool: 14.4 kg/m³, thickness: 70 mm, euroclass A1 according to NS-EN 13501-1

Sealant: Fibo Seal, Sealant & Construction Adhesive, MS Polymer

2. Test reports and test results in support of this classification

2.1 Test reports

Table 1 Test report in support of the classification of Fibo-Trespo Bathroompanels / Respatex Bathroompanels.

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
SINTEF NBL	Fibo Trespo AS, Norway	102010.35/12.036	NS-EN ISO 11925-2:2010
SINTEF NBL	Fibo Trespo AS, Norway	102010.25/12.034	NS-EN 13823:2010

2.2 Test results

Table 2 Test results from tests according to NS-EN ISO 11925-2, in support of the classification of Fibo-Trespo Bathroompanels / Respatex Bathroompanels.

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance parameters
NS-EN ISO 11925-2 Surface flame attack, front* 30 s exposure Flaming droplets/particles	$F_s \leq 150$ mm Ignition of the filter paper	6	(-) (-)	Yes No ignition
NS-EN ISO 11925-2 Surface flame attack, back* 30 s exposure Flaming droplets/particles	$F_s \leq 150$ mm Ignition of the filter paper	6	(-) (-)	Yes No ignition
NS-EN ISO 11925-2 Edge flame attack, front* 30 s exposure Flaming droplets/particles	$F_s \leq 150$ mm Ignition of the filter paper	6	(-) (-)	Yes No ignition
NS-EN ISO 11925-2 Edge flame attack, back* 30 s exposure Flaming droplets/particles	$F_s \leq 150$ mm Ignition of the filter paper	6	(-) (-)	Yes No ignition
NS-EN ISO 11925-2 Edge flame attack, centre* 30 s exposure Flaming droplets/particles	$F_s \leq 150$ mm Ignition of the filter paper	6	(-) (-)	Yes No ignition
NS-EN ISO 11925-2 Edge flame attack, centre* with substrate 30 s exposure Flaming droplets/particles	$F_s \leq 150$ mm Ignition of the filter paper	6	(-) (-)	Yes No ignition
* : as required to the end use application of the product (-): not applicable				

Table 3 Test results from tests according to NS-EN 13823, in support of the classification of Fibotrespo Bathroompanels / Respatex Bathroompanels.

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean (m)	Compliance parameters
NS-EN 13823 Tested with air gap behind the product	FIGRA _{0,4MJ} [W/s] LFS < edge THR _{600s} [MJ]	4	249.4 (-) 22.9	(-) Yes (-)
	SMOGRA [m ² /s ²] TSP _{600s} [m ²]		0** 9.2	(-) (-)
	Flaming droplets/ particles		(-)	Yes
NS-EN 13823 Tested with insulation behind the product	FIGRA _{0,4MJ} [W/s] LFS < edge THR _{600s} [MJ]	3	268.0 (-) 27.7	(-) Yes (-)
	SMOGRA [m ² /s ²] TSP _{600s} [m ²]		1.7 7.4	(-) (-)
	Flaming droplets/ particles		(-)	Yes
NS-EN 13823 Tested with the particle board mounted to the back side	FIGRA _{0,4MJ} [W/s] LFS < edge THR _{600s} [MJ]	3	231.6 (-) 21.6	(-) Yes (-)
	SMOGRA [m ² /s ²] TSP _{600s} [m ²]		0** 6.8	(-) (-)
	Flaming droplets/ particles		(-)	Yes
(-): not applicable **: Notice that SMOGRA is equal to zero because the threshold level for average smoke production rate was not exceeded.				

3. Classification and field of application

3.1 Reference

This classification has been carried out in accordance with clause of 8, 11 and 15 in NS-EN 13501-1:2007+A1:2009.

3.2 Classification

The product Fibo-Trespo Bathroompanels / Respatex Bathroompanels in relation to its external fire performance is classified:

D

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for construction products excluding floorings is:

Fire behaviour		Smoke production			Flaming droplets	
D	-	s	1	,	d	0

i.e. **D – s1, d0**

3.3 Field of application

This classification is valid for the following end use conditions based on the tests performed and reported in task no. 102010.25/12.034 and 102010.35/12.036:

Substrates: Any end-use wood based substrates, with thickness ≥ 12 mm thick, having a density ≥ 630 kg/m³.

Any end-use substrates of Euroclasses A1 or A2-s1,d0.

Airgap: Any airgap of ≥ 40 mm

Insulation: Mineral wool having a nominal density ≥ 14.4 kg/m³.

Mounting: Mechanically fixed to a timber or metal framework. The framework can be attached to a substrate of wood with thickness ≥ 12 mm, having a density ≥ 630 kg/m³ and any substrates having classifications A1 or A2-s1,d0.

Sealant: Fibo Seal, Sealant & Construction Adhesive, MS Polymer

Colour: Any colour of the product Fibo-Trespo Bathroompanels / Respatex Bathroompanels

4. Limitations

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



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