SYCHTA LABORATORIUM Sp. J.
Laboratorium Badań Palności Materiałów
ul. Ofiar Stutthofu 90
72-010 Police

CLASSIFICATION OF REACTION TO FIRE ACCORDANCE WITH EN 13501-1:2018

1. Introduction

This classification report defines the classification assigned to Flame-retardant brich plywood, min. thickness 12 mm, density 650-750 kg/m^3 in accordance with the procedures in EN 13501-1:2018.

Sponsor:	Bydgoskie Zakłady Sklejek "Sklejka Multi" Spółka Akcyjna ul. Fordońska 154 85-752 Bydgoszcz Poland
Prepared by:	SYCHTA LABORATORIUM Sp. J. Laboratorium Badań Palności Materiałów ul. Ofiar Stutthofu 90 72-010 Police, Poland
Notified Body No:	-
Product name:	Flame-retardant brich plywood, min. thickness 12 mm, density 650-750 kg/m^3
Classification report No:	SL/Z-282/EN13501/304a/2021-draft
Date of issue:	06.05.2021

This classification report consists of four pages and may only be used or reproduced in its entirety.

2. Details of classified product

2.1. General

The product, Flame-retardant brich plywood, min. thickness 12 mm, density 650-750 kg/m^3

2.2. Product description

The product, Flame-retardant brich plywood, min. thickness 12 mm, density 650-750 kg/m^3, is described below or is described in the reports provided in support of classification listed in 3.1

Plywood made on the basis of melamine-urea-formaldehyde resin. Outer and inner layers - brich wood. Inner layers are impregnated by soaking an a 15% flame retardant solution. The dry matter content of the flame retardant in 1 m^3 of plywood - min. 40 kg. The plywood surface is protected with a flame retardant applied by spraying in the amount of min. 100 g/m^2.

3. Reports and results in suport of this classification

3.1. Specific conditions

-

3.2. Reports

Name of Laboratory	Name of sponsor	Report ref. No.	Test method and date Field of application rules and date
Sychta Laboratorium	Bydgoskie Zakłady Sklejek "Sklejka Multi" Spółka Akcyjna	SL/Z-282/EN13823/303/2021	PN-EN ISO 13823 PN-EN ISO 11925-2 05.05.2021

3.3. Results

Test method and test number	Parameter	No. Tests [a]	Results	
			Continuous parameter - mean (m)	Compliance with parameters
PN-EN 13823	FIGRA, W·s^{-1}	3	47	(-)
	THR_{600s}, MJ		3,5	(-)
	LFS < edge		(-)	Compliant
	SMOGRA, m^2·s^{-2}		7	(-)
	TSP600s, m^2		41	(-)
	Flaming particles or droplets, time s		(-)	Compliant
PN-EN ISO 11925-2 Exposure time 30 s	Flame spread > 150 mm in 60 s, mm	3	(-)	Compliant
	Ignition of paper		(-)	Compliant
[a] Not for extended application, (-): not applicable				

4. Classification and field of application

4.1. Reference of classification

This classifikation has been carried out in accordance with EN 13501-1:2018.

4.2. Classification

The product, Flame-retardant brich plywood, min. thickness 12 mm, density 650-750 kg/m^3 in relations to its reaction to fire behaviour is classified:

B

The additional classification in relations to smoke production is:

s1

The additional classification in relations 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**	**1**	**,**	**d**	**0**

Reaction to fire classification: B-s1,d0

4.3. Field of application

This classification is valid for the following product parameters:

- brich plywood with min. thickness of 12 mm,
- density 650-750 kg/m^3.

The classification is valid for the following end use applications:

Material mechanically fastened to wooden slats, with vertical and/or horizontal joints and ventilated or unventilated air gap.

5. Limitations

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

Signature of person undertaking classification:

dr inż. Krzysztof Sychta

Signature of person authorising report:

KIEROWNIK LABORATORIUM

dr hab. n. t. Zygmunt Sychta

SYCHTA LABORATORIUM Sp. J.
72-010 Police, ul. Ofiar Stutthofu 90
tel./fax +48 91 4210 214, tel. 502078855
e-mail: biuro@sychta.eu www:sychta.eu
KRS 0000387681 REGON 321023120
NIP 8513152392