Forest and Wood Products Research and Development Institute

EN ISO/IEC 17025
T-316

Classification of reaction to fire in accordance with EN 13501-1:2018

Issue number: K5/2026

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Sponsor: Global Timber A/S.
Address: Michael Drewsens Vej 1,8270 Højbjerg, Aarhus, Denmark.

Manufacturer and owner of the classification report: Global Timber A/S.

Classification done by: Meža un koksnes produktu pētniecības un attīstības institūts SIA *(Forest and Wood Products Research and Development Institute)*, Testing laboratory "Pienavas katlu māja", Pienava, Džūkstes pagasts, Tukuma novads, LV-3147, Latvia *("Pienava heat plant", Pienava, Džūkste parish, Tukums region, LV-3147, Latvia*).

Product name: Garapa solid wood claddings.

Laboratory involved in testing is accredited by the Latvian National Accreditation Bureau (LATAK) according to the standard LVS EN ISO/IEC 17025 under the terms of Latvian legislation with reg. No. T-316. Laboratory is a notified body with reg. No. NB 2040.

The classification report refers only to these test objects. This classification report may not be reproduced otherwise than in full text, except with the prior written approval of the Forest and Wood Products Research and Development Institute

1. Introduction

This classification report defines the reaction to fire classification assigned to Garapa solid wood claddings in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Garapa solid wood claddings is defined as solid wood cladding according to standard EN 14915:2013.

2.2. Product description

- Product name: Garapa solid wood claddings.
- Manufacturer: Global Timber A/S.
- Materials used for manufacturing:
  - Garapa solid wood cladding boards in dimensions 20 x 138 mm and with density 850 kg/m^3.
- Profile type: essentially flat closed cladding system with tongue and groove profile – TGU or TGV.
- Nominal thickness tested: 20 mm.

3. Test reports and test results in support of classification

3.1. Specific conditions (*applicable only if performed using facilities outside the testing laboratory)*

3.2. Test reports

Name of laboratory	**Name of sponsor**	**Test reports**	**Test method**
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Global Timber A/S	1164-1/2025	EN 13823:2020+A1:2022
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts” Testing Laboratory	Global Timber A/S	1164-2/2025	EN ISO 11925-2:2020

3.3. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN 13823:2020+A1:2022	*FIGRA*$_{0,2MJ}$(W/s)	5	240	(-)
	FIGRA$_{0,4MJ}$(W/s)		240	(-)
	THR$_{600s}$(MJ)		27.5	(-)
	LFS		yes	Compliant
	SMOGRA(m^2/s^2)		Threshold not reached	(-)
	TSP$_{600s}$(m^2)		17	(-)
	Flaming droplets <10s		no	Compliant
	Flaming droplets >10s		no	Compliant
EN ISO 11925-2:2020	Flame spread (Fs)	12	(-)	Compliant
	Ignition of filter paper		(-)	Compliant
Exposure time 30 s. Test duration 60 s.	Flaming droplets/particles		(-)	Compliant
(-) not applicable				

4. Classification and field of application.

4.1. Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

4.2. Classification.

Garapa solid wood claddings in relation to its reaction to fire behaviour 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 product except floorings is:

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

Reaction to fire classification: D-s1,d0

4.3. Field of application

4.3.1. Classification valid for following product variations:
Product primary is intended to be used as solid wood cladding in buildings.

4.3.2. Classification valid for the following product end-use applications:

- valid for garapa wood cladding boards with a thickness of 20 mm and larger thicknesses;
- valid only for product compositions as tested;
- valid for profiled claddings with minimal profile thickness of at least 13.5 mm and larger thicknesses and with essentially flat closed cladding system;
- valid without additional coatings as tested;
- mounted with a ventilated or non-ventilated air gap to the substrate of any A1 or A2-s1,d0 with a minimum density of 525 kg/m^3 with a thickness of at least 12 mm, and with the air gap constructed by a wooden frame of class D-s2,d0 or better or any A1 or A2-s1,d0 product;
- valid for product mounting with an air gap between product and substrate. Valid also for product mounting on substrates without an air gap;
- valid for product application with standard vertical and horizontal closed joints;
- valid for vertical and horizontal arrangements in buildings.

5. Limitations.

5.1. No restrictions on the duration of validity of this classification report as long as the product specifications remain unchanged.
5.2. This document does not represent type approval or certification of the product.
5.3. The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Regulation. The manufacturer has made a declaration, which is held on file. This confirms that the product's design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate. The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

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