

ALLIANZ TEKNİK DEPREM & YANGIN TEST VE EĞİTİM MERKEZİ

Türk-Alman Üniversitesi, Şahinkaya Cad. No:90, 34820 Beykoz / İSTANBUL

Tel: 0216 556 6351 E-posta: allianztekNIK@allianz.com.trWeb: www.allianztekNIK.com.tr**EN 13501-1:2018 STANDARDINA GÖRE
YANGINA KARŞI TEPKİ SINIFLANDIRMASI**

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

Müşterinin Adı/Adresi Customer Name/Address	: NOVAWOOD - Nova Orman Ürünleri San. Tic. A.Ş / Gerede Organize Sanayi Bölgesi No: 101-2 Gerede – Bolu
Testi Gerçekleştiren Laboratuvar Adı/Adresi Laboratory Name/Address	: Allianz Teknik Earthquake & Fire Test and Training Center / Türk-Alman Üniversitesi, Şahinkaya Cad. No:90, 34820 Beykoz - İSTANBUL
Numunenin Adı Ve Tarifi Name And Identity Of Test Item	: Novawood Thermowood Tulipwood - Novawood Thermally Modified Tulipwood
Sınıflandırma Rapor No Classification Report No.	: CS-AZTEK-21-080-4-1
Yayın Numarası Publish No	: 1/2

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The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

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Mühür/Kaşe

Seal

BEYKOZ GAYRİMENKUL YATIRIM İNŞAAT
TURİZM SANAYİ VE TİCARET A.Ş.
Küçükakkalköy Mahallesi Kayışdağı Caddesi
No:1 Kat:20 Ataşehir / İSTANBUL

Yayımlandığı Tarih

Report Release Date

15.04.2022

Deney Sorumlusu

Person in charge of test

İsmail Özdemir

Onaylayan

Approval

Erkan Özdağ

1. INTRODUCTION

This classification report defines the classification assigned to the product “*Novawood Thermowood Tulipwood - Novawood Thermally Modified Tulipwood*” in accordance with the procedures given in the standard EN 13501-1:2018.

REACTION TO FIRE CLASSIFICATION ACCORDING TO EN 13501-1:2018


2. DETAILS OF CLASSIFIED PRODUCT

2.1. General

This classified product, “*Novawood Thermowood Tulipwood - Novawood Thermally Modified Tulipwood*”, is defined as thermally modified natural tulipwood.

2.2. Product Details

The classified product, “*Novawood Thermowood Tulipwood - Novawood Thermally Modified Tulipwood*”, is fully described in the test reports which were specified in article 3.1. Also the classified product’s type and details are given in the below table.

Product Name	Thickness (mm)	Density (kg/m ³)	Color	Product Composition	Surface Pattern and Details
Novawood Thermowood Tulipwood – Novawood Thermally Modified Tulipwood	20	420	Deep Caramel	Natural Tulipwood	 Product surface is flat and profile joint type is clean profile.

3. TEST REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION REPORT

3.1. Test Reports

Following test reports were taken into consideration for the determination of this classification.

Name of Laboratory	Name of Sponsor	Report Ref. No.	Test Method and Date
Allianz Teknik Earthquake & Fire Test and Training Center	NOVAWOOD - Nova Orman Ürünleri San. Tic. A.Ş	FT-AZTEK-21-080-4-1	EN 13823:2020
		FT-AZTEK-21-080-4-2	EN ISO 11925-2:2020

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3.2. Results

Results which are mentioned in the test reports at article 3.1 and classification criteria of D-s1,d0 class specified in EN 13501-1:2018 standard are given in the following table.

Test Method	Parameter	Number of Test	Results		
			Continuous Parameter Mean	Non-continuous Parameter	Compliance with Parameters
EN ISO 11925-2 Flame Application Time: 30 s	$F_s \leq 150 \text{ mm}^{(1)}$	6	(-)	Flames did not reach 150 mm	Compliant
	Ignition of filter paper ⁽¹⁾		(-)	No ignition	Compliant
	$F_s \leq 150 \text{ mm}^{(2)}$	6	(-)	Flames did not reach 150 mm	Compliant
	Ignition of filter paper ⁽²⁾		(-)	No ignition	Compliant
EN 13823	$FIGRA_{0,4 \text{ MJ}} \leq 750 \text{ W/s}$	3	688,9	(-)	Compliant
	$SMOGR_A \leq 30 \text{ m}^2/\text{s}^2$		1,8	(-)	Compliant
	$TSP_{600 \text{ s}} \leq 50 \text{ m}^2$		11,5	(-)	Compliant
	No flaming droplets in 600 s		(-)	No flaming droplets	Compliant

(-): Not applicable
(1): Surface exposure
(2): Edge exposure
Fs: Flame spread distance at surface of test specimen

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of Classification

This classification has been carried out in accordance with EN 13501-1:2018 standard article 11.4, 11.9.2 and 11.10.1.

4.2. Classification

The product, “*Novawood Thermowood Tulipwood - Novawood Thermally Modified Tulipwood*”, in relation to its reaction to fire behavior has been classified:

D

The product, “*Novawood Thermowood Tulipwood - Novawood Thermally Modified Tulipwood*”, in relation to its smoke production behavior has been classified:

S1

The product, “*Novawood Thermowood Tulipwood - Novawood Thermally Modified Tulipwood*”, in relation to its flaming droplets behavior has been classified:

d0

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The classified product's, "Novawood Thermowood Tulipwood - Novawood Thermally Modified Tulipwood", reaction to fire classification is:

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

Reaction to Fire Classification: D-s1,d0

4.3. Field of Application

This classification report is valid for products that are manufactured in the same composition, color, density, thickness and type with product specified in article 2.2.

Also this classification is valid for the following end use and mounting applications:

- Product surface is flat and joint type is clean profile
- No air gap between horizontal and vertical specimen joints
- 40 mm or larger air gap behind the product in mounting application
- No any substrate behind the product and using metal screw or stainless steel fixing elements in mounting application

5. LIMITATIONS

This classification report does not represent any type approval or certification of the product. This report is initially valid until 15.04.2023 providing that no significant modifications are made in technical specification of the specimen and related test and classification standards.

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