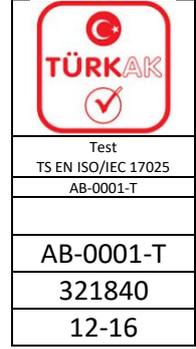




Accredited by TÜRKAK

HEADSHIP OF TSE TEST and CALIBRATION CENTER
CONSTRUCTION MATERIALS FIRE AND ACOUSTICS LABORATORY
DIRECTORATE

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TEST REPORT

Requesting/Customer: (Name, Address, City etc.)	HASOĞLU KOMPOZİT YAPI MALZ. VE MAK. SAN. TIC. LTI. ŞTİ.: YAYLA MAH. FEVZİ ÇAKMAK CAD. İHSN EKMEKÇİ SOK. NO: 17/B-TUZLA-İSTANBUL)
Order Date / No:	18.10.2016 / 165029
Sample Description: (No, Type, Mark, Model etc.)	WOOD COMPOSITE DECK RAISED FLOORING, KANENZO ...4.00 items
Test Item Receipt Date:	18.10.2016
Date of Test:	18.10.2016 – 01.12.2016
Applied Standard/Method:	TS EN 13501 -1 + A1:2013-04 Construction products and construction elements – Fire classification – Part 1: Classification according to data from fire behaviour tests
Number of pages of the report:	4 (3 pages annex)
Remarks:	

The Turkish Accreditation Agency (TÜRKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of test reports.

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.

This test report was prepared upon customer's request, can not be used as certificate of conformity to standards, does not represent a batch and can not be used as conformity document for advertisements and procurements.

Seal and Date
[Seal] 01/12/2016

Person in charge of tests
[Signature]
Ceran Kezban GÜL
Ass. Expert

Reviewer
[Signature]
Sencer GÜVEN
Technical Chief

Approved by
[Signature]
Metehan ÇALIŞ
Laboratory Manager

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This test report represents only tested sample(s), and shall not be used as Product Certificate.

LAB-D-FR-36/01.09.2016-1



REACTION TO FIRE CLASSIFICATION

1 Introduction

This report includes flammability classification elements of “Kanenzo Wood Composite Deck Flooring” product which is evaluated according to procedures determined in TS EN 13501-1 + A1: 2010.



CLASSIFICATION OF REACTION TO FIRE ACCORDING TO TS EN 13501-1: 2010 STANDARD

Sponsor	HASOĞLU KOMPOZIT YAPI MALZ. VE MAK. SAN. TIC. LTI. ŞTI. YAYLA MAH. FEVZI ÇAKMAK CAD. İHSN EKMEKÇİ SOK. NO: 17/B-TUZLA- İSTANBUL)
Prepared by	TSE CONSTRUCTION MATERIALS FIRE AND ACOUSTICS LABORATORY DIRECTORATE
Name of Product	Kanenzo Wood Composite Deck Flooring
Classification Report No	321840 / 12-16
Issue No	2/2
Issue Date	01.12.2016

This report is composed of 4 pages, and can only be used or reproduced completely.

2 Details of Classified Product

2.1 General

Classified product, “Kanenzo Wood Composite Deck Flooring”, is defined as composite flooring material with (140 mm x 3 m) and (140 mm x 6 m) dimensions, produced from HDPE, with no fitting slots to attach each other, with lengthwise empty grooves inside, providing raising from floor level when installed and composed of flooring parts, with lengthwise groove line patterns and brown wood appearance.

2.1 Product Description

Definitive details about “Kanenzo Wood Composite Deck Flooring” are given below.

Name of Sample	“Kanenzo” Trademark Wood Composite Deck Flooring
Definition of Sample	Composite flooring material with (140 mm x 3 m) and (140 mm x 6 m) dimensions, produced from HDPE, with no fitting slots to attach each other, with lengthwise empty grooves inside, providing raising from floor level when installed and composed of flooring parts, with lengthwise groove line patterns and brown wood appearance.



REACTION TO FIRE CLASSIFICATION

	 Vertical Appearance	 Horizontal Appearance
Thickness	Composite board with patterns	25.0 mm
	Grooves inside board	15.0 mm
Weight per unit area	15.8 kg/m ² (average value measured at laboratory)	

3 Test Reports and Results Supporting Classification

3.1 Reports

Test reports given below compose the basis for determination of this classification.

Laboratory	Sponsor	Test Report Reference No	Test Method
TSE CONSTRUCTION MATERIALS FIRE AND ACOUSTICS LABORATORY DIRECTORATE	HASOĞLU KOMPOZIT YAPI MALZ. VE MAK. SAN. TIC. LTI. ŞTI.	321839 / 12-16	TS EN ISO 11925-2: 2011

3.2 Results

Results of test reports given above and classification criteria for E_{ff} class in TS EN 13501-1 + A1: 2010 standard are given in the table below.

Test Method	Parameter	Number of Tests	Test Results and Evaluation	
			Average of continuous parameters	Noncontinuous parameters
TS EN ISO 11925-1 (15 s subjection period)	$F_s \leq 150$ mm	6	(-)	Flames did not reach 150 mm threshold

(-) Not applicable.



REACTION TO FIRE CLASSIFICATION

4 Classification and Direct Application Area

4.1 Classification Reference

This classification is done according to article 12.5 and 12.9.2 of TS EN 13501-1 + A1: 2010 standard.

4.2 Classification

Class of “Kanenzo Wood Composite Deck Flooring” product which is determined according to its behaviour against fire:

E_{ff}

Class of “Kanenzo Wood Composite Deck Flooring” product with its smoke forming features:

Smoke classification is not done for E_{ff} class.

Flooring are not classified according to features for forming burning drops.

Fire Behaviour	Smoke Formation	Flame Drops
E _{ff}	No Classification	No Classification

Fire Reaction Class: E_{ff}

4.3 Application Area

This classification is valid for products with the same name composed with the same formulation, same colour, same density, same thickness and same type of components;

- For applications without using sealer or metal fixture elements on floors of at least A2-s1, d0 fire reaction class according to TS EN 13501-1,
- For fixing without leaving spaces between parts,
- For use of colour and production pattern determined under 2.2 Product Description title of this report.

5 Limitations

There was no decision related with validity period of classification report when TS EN 13501-1 + A1: 2010 standard was published.

This classification report is not product’s type approval or certificate and cannot be used for this purpose.

End of classification report.