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Test
TS EN ISO/IEC 17025
AB-0556-T

EFFECTİS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.

TOSB TAYSAD Organize San. Böl. 1. CD. ,15. Yol No: 1

Şekerpınar – Çayırova, KOCAELİ

DENEY RAPORU

TEST REPORT

AB-0556-T

FTST16392

01.09.2016

Müşterinin adı/adresi

Customer name/address

: BSN YAPI MALZEMELERİ İTH. İHR. İNŞ. SAN. ve TİC. LTD. ŞTİ.
Giyim Sanatkarları İş ve Tic. Merkezi 477 Ada 1.Parsel 3.Ada C Blok K:3
İkitelli OSB Başakşehir, İSTANBUL/TURKEY

İstek numarası

Order No.

: EEA-16-000523

Numunenin adı ve tarifi

Name and identity of test sample

: BSN NATURAL SHEILD

Numunenin kabul tarihi

The date of receipt of sample

: 01.08.2016

Açıklamalar

Remarks

:

Deneyin yapıldığı tarih

Date of test

: 29.08.2016

Raporun sayfa sayısı

Number of pages of the Report

: 3

Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınması konusunda Avrupa Akreditasyon Birliği(EA) ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC) ile karşılıklı tanınma antlaşmasını imzalamıştır.

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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

Mühür

Seal



Tarih

Date

01.09.2016

Deney Sorumlusu

Person in charge of test

Şahin SAKAT

Laboratuvar Müdürü

Head of Testing Laboratory

Ali BAYRAKTAR

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.

İmzasız ve mühürsüz raporlar geçersizdir.

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FR1135/REV00/12.01.2016

TEST REPORT

on Fire and Technical Characteristics

Our ref.: EEA-16-000523					
Sponsor: BSN YAPI MALZEMELERİ İTH. İHR. İNŞ. SAN. ve TİC. LTD. ŞTİ. Giyim Sanatkarları İş ve Tic. Merkezi 477 Ada 1.Parsel 3.Ada C Blok K:3 İkitelli OSB Başakşehir, İSTANBUL/TURKEY					
TEST ITEM					
Product name : BSN NATURAL SHEILD					
Manufacturer : BSN YAPI MALZEMELERİ İTH. İHR. İNŞ. SAN. ve TİC. LTD. ŞTİ. Giyim Sanatkarları İş ve Tic. Merkezi 477 Ada 1.Parsel 3.Ada C Blok K:3 İkitelli OSB Başakşehir, İSTANBUL/TURKEY					
Composition : Cement based plaster containing crystallized glass and polymers					
Appearance : Test specimens were prepared from white plaster which has the density of 325 kg/m ³ , mass per unit area of 7 kg/m ² per 2 cm thickness. Test samples were prepared by mixing A component (plaster powder) and B component (water) in proportion 11 kg : 8 kg.					
Date of receipt of the sample: 01.08.2016 Sampling: The samples were delivered by the sponsor Date of realization of tests: 29.08.2016					
TEST METHOD: TS EN ISO 1716:2010 Conditioning: TS EN 13238:2010 Madde 4.2 , (23 ± 2) °C and % (50 ± 5) relative humidity Water equivalent of the calorimeter: 2404,1196 MJ/K					
MEASURED VALUES AND THE TEST RESULTS					
Fire technical characteristics	Measured values			Results	Expanded uncertainty
	1 st	2 nd	3 rd		
PCS [MJ/kg]	-0,21	-0,59	-0,85	-0,55	0,44
(-): not applicable Negative (-) values indicate that the material reacts as endothermic (heat absorbing) during the burning period.					



Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.
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Conclusion:

The mentioned expanded uncertainty is obtained by multiplying the standard uncertainty by a coverage factor $k=2$, which corresponded to a level of confidence of 95 %.

The test results relate to the behaviour of the test specimen of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product of use. The results of tests are concerned only with the subject of testing.

The protocol shall not be reproduced except in full without the written approval of the testing laboratory.



Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.

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**CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE
WITH EN 13501-1:2007+A1:2009**

Sponsor	: BSN YAPI MALZEMELERİ İTH. İHR. İNŞ. SAN. ve TİC. LTD. ŞTİ. Giyim Sanatkarları İş ve Tic. Merkezi 477 Ada 1.Parsel 3.Ada C Blok K:3 İkitelli OSB Başakşehir, İSTANBUL/TURKEY
Prepared by	: EFFECTİS ERA AVRASYA TEST VE BELGELENDİRME A.Ş. TOSB TAYSAD Organize San. Böl. 1. CD. 15. Yol No: 1 Şekerpınar - Çayırova KOCAELİ, TURKEY
Product name	: BSN NATURAL SHEILD
Classification report No.	: ERA - 16 - 089
Issue Number	: 1/2
Date of issue	: 01.09.2016

This classification report consists of 5 pages and may only be used or reproduced in its entirety.

1. INTRODUCTION

This classification report defines the classification assigned to “BSN NATURAL SHEILD” in accordance with the procedures given in EN 13501-1:2007+A1:2009

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

BSN NATURAL SHEILD is defined as a „type of classified product.

2.2. Description:

BSN NATURAL SHEILD is fully described in the reports in support of the classification listed in clause 3. Properties of tested product types are as indicated below:

Manufactured Plant: BSN YAPI MALZEMELERİ İTH. İHR. İNŞ. SAN. ve TİC. LTD. ŞTİ.

Giyim Sanatkarları İş ve Tic. Merkezi 477 Ada 1.Parsel 3.Ada C Blok K:3 İkitelli OSB
Başakşehir, İSTANBUL/TURKEY

Tested product types

Product name	Density [kg/m ³]	Mass per unit area (2 cm thickness) (kg/m ²)	Constituent
BSN NATURAL SHEILD	325	7	Cement based plaster containing crystallized glass and polymers A component (plaster powder) and B component (water) in mixing proportion : 11 kg / 8 kg



3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

3.1. Reports

Name of laboratory	Name of sponsor	Report ref. no.	Test method
EFECTİS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	BSN YAPI MALZEMELERİ İTH. İHR. İNŞ. SAN. ve TİC. LTD. ŞTİ.	FTST16392	EN ISO 1716:2010
		FTST16393	EN ISO 1182:2010

3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
TS EN ISO 1182	ΔT (°C)	5	1,36	(-)
	Δm (%)		9,5	(-)
	t_f (s)		0,0	(-)
TS EN ISO 1716	PCS (MJ/kg)	3	-0,55	(-)

(-): Not applicable

Test method	Parameter	Parameter	Compliance parameters
TS EN ISO 1182	ΔT (°C)	1,36	≤ 30 (A1)
	Δm (%)	9,5	≤ 50 (A1)
	t_f (s)	0,0	$= 0$ (A1)
TS EN ISO 1716	PCS (MJ/kg)	-0,55	≤ 2 (A1)

(-): Not applicable

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.8.1 of EN 13501-1:2007+A1:2009



4.2. Classification

BSN NATURAL SHEILD, in relation to its reaction to fire behaviour is classified:

A1

The additional classification in relation to smoke production is:

not classified

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

not classified

The format of the reaction to fire classification for *BSN NATURAL SHEILD* is:

Fire behaviour		Smoke production				Flaming droplets	
A1	-	s	not classified	,	d	not classified	

Reaction to fire classification: A1

4.3. Field of application

This classification is valid for the following product parameters:

Acceptable product properties for valid classification

Product name	Density [kg/m ³]	Mass per unit area (2 cm thickness) (kg/m ²)	Constituent
BSN NATURAL SHEILD	325	7	Cement based plaster containing crystallized glass and polymers A component (plaster powder) and B component (water) in mixing proportion: 11 kg / 8 kg



5. LIMITATIONS

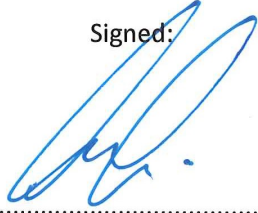
5.1. Restrictions

This classification report is valid provided that the technical specifications of product are within the limits in accordance with the field of application clause 4.3.

5.2. Warning

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

Signed:



Şahin SAKAT
Person in charge of test



Approved:



Ali BAYRAKTAR
Laboratory Manager