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TSE DENEY ve KALİBRASYON MERKEZİ BAŞKANLIĞI
Makina ve Yapı Malzemeleri Grup Başkanlığı
Yapı Malzemeleri Yangın ve Akustik Laboratuvarı Müdürlüğü

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

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MUAYENE VE DENEY RAPORU
TEST REPORT



Test
TS EN ISO/IEC 17025
AB-0001-T

AB-0001-T

344450

05-17

Deneysel Talep Eden

(Adı, Adresi, Şehir vb.)

Customer (Name, Address, City etc.)

: EKSEN TEKNİK SÜNGER SAN. VE TİC. LTD. ŞTİ.

(EKSEN TEKNİK SÜNGER SAN. VE TİC. LTD. ŞTİ.: ORTAKÖY MAH. HARPUR
SOK. NO: 4/A-B SELİMPAŞA/İSTANBUL Silivri-İSTANBUL)

Deneysel Talep Tarihi/No

Order Date / No

Numunenin Tanımı

(Cins, Marka, Tip, Tür, Model vb.)

Sample Description (Type, Mark, Model etc.)

: 28.03.2017 / 174772

: PU AKUSTİK ALEV ALMAZ SÜNGER, PROCELL, , , , , 5.00 set

PU acoustic, non-flammable sponge. PROCELL, , , , , 5,00 set

Numune Kabul Tarihi

Test Item Receipt Date

: 24.03.2017

Samples are taken by the manufacturer

Deneysel Yapıldığı Tarih

Date of Test

: 24.03.2017 - 31.05.2017

Uygulanan Standard / Metod

Applied Standard/Method

: TS EN 13501-1 + A1:2013-04 Yapı mamulleri ve yapı elemanları - Yangın sınıflandırması- Bölüm I: Yangın karşısındaki davranış deneylerinden elde edilen veriler kullanılarak sınıflandırma
TS EN 13501-1 + A1:2013-04 Fire classification of construction products and building elements - Part 1: Classification using test data from reaction to fire tests

Raporun Sayfa Sayısı

Number of pages of the report

: 4

Açıklamalar

: This report is the translation of the the test report with 05-17 date and 344445 report number and the results in this report based on the results in the previous report in question. New test has not been conducted.

Remarks

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

The Turkish Accreditation Agency (TURKAK) 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.

Deneysel ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deneysel metodları bu raporun tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.

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



Deneysel Sorumlusu
Person in charge of tests

Alpay SÜMER
Uzman Yardımcısı

Kontrol Eden
Reviewer

Sencer GÜVEN
Teknik Şef

Onaylayan
Approved by

Metehan ÇALIŞ
Laboratuvar Müdürü

Bu rapor, hazırlayan laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir.

Bu rapor, sadece deneysel yapılan numune için geçerlidir ve "Ürün Belgesi" yerine geçmez.

This test report shall not be reproduced other than in full except with the written permission of the laboratory. Test reports without signature and seal are not valid.

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



REACTION TO FIRE CLASSIFICATION

1 Introduction

This classification report defines the classification assigned to the product **PROCELL, acoustic, non-flammeable sponge** in accordance with the procedures given in the standard TS EN 13501-1+A1: 2010 Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests.



REACTION TO FIRE CLASSIFICATION ACCORDING TO TS EN 13501-1

Sponsor	EKSEN TEKNİK SÜNGER SAN. TİC. LTD. ŞTİ.
Prepared by	TSE Construction Materials Fire and Acoustics Laboratory
Product name	PROCELL, acoustic, non-flammeable sponge
Classification report No.	344450 / 05-17
Issue number	1/2
Date of issue	31.05.2017

This classification report consists of 4 pages and may only be used or reproduced in its entirety.

2 Details of Classified Product

2.1 General

The product is defined as PROCELL, acoustic, non-flammeable sponge.

2.2 Product description

Arrival Date	24.03.2017
Trade Name	PROCELL
Sample Description	Acoustic, non-flammeable sponge
Thickness	50 mm
Density	90 kg/m ³
Weight per area	4,5 kg/m ²
Color	Black
Type	Polyurethane





REACTION TO FIRE CLASSIFICATION

3 Test Reports and Results in Support of This Classification Report

3.1 Reports

Following test reports were taken into account in the determination of this classification.

Laboratory	Sponsor	Test Report Ref. No	Test Method
TSE HEADSHIP OF TSE TEST and CALIBRATION CENTER CONSTRUCTION MATERIALS FIRE AND ACOUSTICS LABORATORY	EKSEN TEKNİK SÜNGER SAN. TİC. LTD. ŞTİ.	344440 / 05-17	TS EN ISO 11925-2: 2011
TSE HEADSHIP OF TSE TEST and CALIBRATION CENTER CONSTRUCTION MATERIALS FIRE AND ACOUSTICS LABORATORY	EKSEN TEKNİK SÜNGER SAN. TİC. LTD. ŞTİ.	344443 / 05-17	TS EN 13823: 2010 +A1: 2014

3.2 Results

Results of the above mentioned test reports and the classification criteria corresponding to class C-s2, d0 as stated in TS EN 13501-1+A1: 2010 are given in the following table.

Test Method	Parameter	No. of Tests	Test Results	
			Mean of Continous Parameters	Non-continous Parameters
TS EN ISO 11925-2 (30 s surface exposure)	$F_s \leq (150 \text{ mm})$ in 60 s	6	(-)	Flames did not reach 150 mm treshold
	No ignition of filter paper		(-)	No ignition
TS EN 13823+A1	$FIGRA_{0,4 \text{ MJ}} \leq 250 \text{ W/s}$	3	149,13	(-)
	LFS < Edge of sample		(-)	LFS < Edge of sample
	$THR_{600s} \leq 15 \text{ MJ}$		4,81	(-)
	$SMOGRA \leq 180 \text{ m}^2/\text{s}^2$		17,81	(-)
	$TSP_{600s} \leq 200 \text{ m}^2$		90,99	(-)
	No flaming droplets in 600 s		(-)	No flaming droplets in 600 s

(-) Not applicable

4 Classification and Direct Field of Application

4.1 Reference of classification

This classification has been carried out in accordance with clauses 11.5, 11.9.3 and 11.10.1 of TS EN 13501-1 + A1: 2010.

4.2 Classification

In relation to its reaction to fire behaviour, the product **PROCELL, acoustic, non-flammeable sponge** has been classified as:
C

In relation to its smoke production behaviour, the product **PROCELL, acoustic, non-flammeable sponge** has been classified as:

In relation to its flaming droplets behaviour the product **PROCELL, acoustic, non-flammeable sponge** has been classified as:





REACTION TO FIRE CLASSIFICATION

Fire behaviour	Smoke production	Flaming droplets
C	s2	d0

Reaction to Fire Classification: C-s2, d0

4.3 Field of application

This classification is valid for the products manufactured with the same recipe, type, name and formulation in the following technical properties and end use applications;

Thickness	50 mm
Density	90 kg/m ³
Weight per area	4,5 kg/m ²
Color	Black
Type	Polyurethane
Fastening	Fastening on the steel profiles using with mechanical fastenings with 80 mm air gap behind the sample and substrate

5 Limitations

At the time of publishing of the standard TS EN 13501-1+A1: 2010, there wasn't any decision concerning the duration of validity of a classification report

The present document represents neither type approval nor certification of the product.

End of classification report.

