



TSE DENEY ve KALİBRASYON MERKEZİ BAŞKANLIĞI
Yapı Malzemeleri ve Kimya Laboratuvar Grup Başkanlığı (Gebze)
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 CONSTRUCTION MATERIALS LABORATORY (GEBZE)

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250370

03-15

MUAYENE VE DENEY RAPORU
TEST REPORT

Deneyi Talep Eden (Adı, Adresi, Şehir vb.)	:	NEVRA İNŞ.YAPI TEKNOLOJİLERİ SAN.VE TİC.LTD.ŞTİ.
Customer (Name, Address, City etc.)	:	(NEVRA İNŞ.YAPI TEKNOLOJİLERİ SAN.VE TİC.LTD.ŞTİ.: BAĞDAT CAD.ÇOLAKOĞLU İŞ MERKEZİ NO:458/22 34846 MALTEPE/İSTANBUL --İSTANBUL)
Deney Talep Tarihi/No Order Date / No	:	12.03.2015 / 125461
Numunenin Tanımı (Class, Marka, Tip, Tür, Model vb.)	:	Magnezyum Oksit Esaslı Yapı Paneli, NevPanel® MgO Esaslı Yapı Paneli, , 1.00 adet
Sample Description (Type, Mark, Model etc.)	:	Magnezyum Okside Based Construction Panel, NevPanel® MgO Based Construction Panel, , 1.00 item
Numune Kabul Tarihi Test Item Receipt Date	:	09.03.2015 Sampling was done by the manufacturer
Deneylerin Yapıldığı Tarih Date of Test	:	09.03.2015 - 26.03.2015
Uygulanan Standard / Metod Applied Standard/Method	:	TS EN ISO 1716:2010:2011-01 Yapı ürünlerinin yangına tepki deneyleri - Yanma ısısının tayini (kalorifik değer)(ISO 1716:2010) TS EN ISO 1716:2010:2011-01 Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)(ISO 1716:2010)
Raporun Sayfa Sayısı Number of pages of the report	:	3 (2 sayfa ek)
Açıklamalar Remarks	:	

Yukarıda tanımlanan numune için laboratuvarımızda yapılan muayene ve deneylerden elde edilen sonuçlar müteakip sayfalarda verilmiştir.

The testing and /or measurement results are given on the following pages which are part of this report.

Bu rapor özel deney talebine istinaden düzenlenmiş olup, Standartlara Uygunluk Belgesi niteliğinde değildir. Partiyi temsil etmez, ayrıca ilan, reklam ve ihalelerde uygunluk belgesi niteliğinde kullanılamaz.

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 .



Deney Sorumlusu
Person in charge of tests
Alpay SÜMER
Uzman Yardımcısı

Kontrol Eden
Reviewer
Sencer GÜVEN
Teknik Şef

Onaylayan
Approved by
Sencer GÜVEN
Teknik Şef V.

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

Bu rapor, sadece deneyi 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

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TEST RESULTS

TS EN ISO 1716 Reaction to Fire Tests for Building Products
Determination of the Gross Heat of Combustion (Calorific Value)

Test Sponsor (Name&Address)	Nevra İnşaat Yapı Teknolojileri San. Ve Tic. Ltd. Şti.
Sample Manufacturer (Name&Address)	Nevra İnşaat Yapı Teknolojileri San. Ve Tic. Ltd. Şti.
Date of test	18.03.2015

Sample Details

Date of arrival	05.03.2015
Sponsor's sample ID	NevPanel® MgO Esaslı Yapı Paneli
Sponsor's description	Magnesium Oxide Based Construction Board 12mm 60*60cm
Declared Properties of the Material	
Mass per unit area (kg/m ²)	11.40
Thickness (mm)	12
Density (kg/m ³)	950
Inspection Findings	
Mass per unit area (kg/m ²)	11.80
Thickness (mm)	12
Density (kg/m ³)	980

Sampling

A 4 cm * 4 cm square sample was cut by the laboratory personel from the 60 cm * 60 cm board which was sent by the manufacturer. The square sample was first crumbled in the mortar and then the pieces were further grinded to powder by a simple coffee grinder.

Conditioning

The powdered sample was conditioned at 23 °C and 50% relative humidity for a period of 310 hours.

Test Results

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TEST RESULTS

Method: Crucible
Combustion aid: Benzoic acid
Water equivalent, E = 994.479 Cal/K

There were no deviations from the test method.

Gross heat of combustion values found for each of the three replicate tests used for calculation of average and the average value are given in the following table.

Sample	1	2	3	Average
Q _{PCS} (MJ/kg)	0,684	0,552	0,515	0,584

The remains of the specimen after combustion seemed to contain very little to no uncombusted material.

Validity of Test Results

The test was carried out in accordance with the international standard ISO 1716:2010. Given below are the validity criteria specified in Clause 11 of the standard for a homogeneous/substantial component.

Max-min of the 3 replicated tests	Range of validity.
≤ 0.2 MJ/kg	From 0 MJ/kg to 3.2 MJ/kg
Within 5%	From 3.2 MJ/kg to 20.0 MJ/kg
Within 10%	Greater than 20.0 MJ/kg

Note that the experimental value, which is 0.169 MJ/kg, lies within the limits of the range from 0 MJ/kg to 3.2 MJ/kg.

The test results relate to the behaviour of the test specimens 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 in use.

End of test results

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