



TEBAR®

Test Belgelendirme Araştırma ve Geliştirme Ticaret A.Ş.

Order Number:	UDI1500037
Report Number:	CPR-PTD/R16-06
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TEBAR A.Ş.; 20.10.2015 tarih ve 29508 sayılı Resmi Gazetede yayımlanan Yapı Malzemeleri Yönetmeliği (305/2011/AB) Kapsamında TEBAR Test Belgelendirme Araştırma ve Geliştirme Ticaret A.Ş.'nin Onaylanmış Kuruluş Olarak Görevlendirilmesine Dair Tebliğ (Tebliğ No: MHG/2015-19) ile Çevre ve Şehircilik Bakanlığı tarafından yetkilendirilmiştir.

Product Type Determination Report

Applicant (Name and Address):

AKDE KİMYA END. SAN. VE TİC. LTD ŞTİ.
Yeşilbayır Mah. Şimşir Sok. No:3
Hadımköy/İSTANBUL

Content: Product type determination report according to EN 14315-1 and EN 13172 of factory made thermal insulation products from sprayed rigid polyurethane foam (PU)

Product Standard: EN 14315-1

Product Description: Thermal insulation products made from sprayed rigid polyurethane (PU) foam

Trademarks: SPR230

Intended Use: Thermal insulation for buildings

Plant: Yeşilbayır Mah. Şimşir Sok. No:3
Hadımköy/İSTANBUL

Number of Production Line: 1

Approved By

Timur DİZ

AoC Manager

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Notified Body Number: 2164

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İlgili ürün için hazırlanmış olan bu ürün tipi tayin (PTD)raporu; uygunluk teyit sistemi 3 kapsamında üretici tarafından uygunluk beyanının ve Yapı Malzemeleri Yönetmeliği kapsamında CE işaretleme sisteminin yapılması amacıyla kullanılabilir. Deney laboratuvarı, deneye tabi tutulan numuneler ile ilgili üreticinin fabrika üretim kontrolüne uygun referans numuneleri saklamakla birlikte deneye tabi tutulacak ürünlerden numune alımında herhangi bir rol oynamamakta ve sadece kendisi tarafından saklanan referans numunelerin izlenebilirliğini sağlamaktadır. The product type determination report assigned to the related product is appropriate to a declaration of conformity by the manufacturer within the context of a system 3 attestation of conformity and CE marking under the Construction Products Directive. The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

Bu rapor izin alınmadan kısmi olarak ya da içeriği değiştirilerek çoğaltılamaz. Bu raporun sadece orijinal kopyası geçerlidir. TEBAR A.Ş. Orijinali dışındaki kopyalardan sorumlu tutulamaz.

FR.075/05/01.07.2013

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1.PROCEDURE:

The declared values of water permeability, thermal conductivity, reaction to fire, compressive strength classes of thermal insulation products made from sprayed rigid polyurethane foam (PU) established by the manufacturer "AKDE KİMYA END. SAN. VE TİC. LTD ŞTİ." and documented to the TEBAR Co. Inc.

Characteristics defined by CPR	Related clauses of harmonized product Standard	Test Method	SPR230
Water permeability	4.3.3. Short term water absorption	EN 1609	0,20
Reaction to fire	4.2.3. Reaction to fire	EN 13501-1	E
Release of dangerous substances	-	-	-
Thermal Resistance	4.2.2. Thermal conductivity (W/m.K)	EN 12667	0,028
Compressive strength	4.3.4. Compressive stress at 10 % deformation	EN 826	CS(10/Y)300

The required test samples which are to be used for attestation of conformity purposes were taken by the representative of "AKDE KİMYA END. SAN. VE TİC. LTD ŞTİ." according to TEBAR Co. Inc's instructions and EN 13172 sent by the manufacturer "AKDE KİMYA END. SAN. VE TİC. LTD ŞTİ." product type determination tests performed by the TEBAR Co. Inc. (Notified Body Number 2164); according to Annex ZA2 of EN 14315-1 regarding the following properties as requested by the manufacturer:

- Thermal Conductivity and Thermal Resistance EN 12667/ EN 14315-1 EK C
- Reaction to fire EN ISO 11925-2
- Compressive strength EN 826
- Short term water absorption EN 1609

2.TEST RESULTS:

The product type determination test results performed by TEBAR Co. Inc. and declared values for related property defined by manufacturer "AKDE KİMYA END. SAN. VE TİC. LTD ŞTİ." are given below in tables.

2.1.THERMAL CONDUCTIVITY:

The products collected into product groups according to clause 4 of EN 13172, regarding to the manufacturer's declaration on single thickness. Thermal conductivity of the product determined according to EN 12667 regarding to clause 4.2.2 of EN 14315-1.

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TEBAR A.Ş. Orijinali dışındaki kopyalardan sorumlu tutulamaz.
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Group 1: Thermal insulation products made from sprayed rigid polyurethane foam (PU) (30 kg/m³)

Product	Production Date (dd.mm.yyyy)	Nominal Thickness (mm)	Declared Value (W/m.K)	Measured Value (W/m.K)	Evaluation	Report No:
SPR230	21.10.2015	50	0,028	0.02635	Complied	CPR-T/R16-64
	06.11.2015	30		0,02719	Complied	CPR-T/R16-65
	15.10.2015	50		0,02630	Complied	CPR-T/R16-66
	26.10.2015	30		0,02678	Complied	CPR-T/R16-67

2.2.COMPRESSIVESTRENGTH

The products collected into product groups according to clause 4 of EN 13172, regarding to the manufacturer's declaration on single thickness. Compressive strength of the product determined according to EN 826 regarding to clause 4.3.4 of EN 14315-1.

Group 1: Thermal insulation products made from sprayed rigid polyurethane foam (PU) (30 kg/m³)

Product	Production Date (dd.mm.yyyy)	Nominal Thickness (mm)	Declared Value (kPa)	Measured Value (kPa)	Evaluation	Report No:
SPR230	21.10.2015	50	300	307,62	Complied	CPR-T/R16-60
	06.11.2015	30		302,73	Complied	CPR-T/R16-61
	15.10.2015	50		323,48	Complied	CPR-T/R16-62
	26.10.2015	30		317,45	Complied	CPR-T/R16-63

2.3. SHORT TERM WATER ABSORPTION

The products collected into product groups according to clause 4 of EN 13172, regarding to the manufacturer's declaration on single thickness. Water absorption of the product determined according to EN 1609 regarding to clause 4.3.3. of EN 14315-1.

Group 1: Thermal insulation products made from sprayed rigid polyurethane foam (PU) (30 kg/m³)

Product	Production Date (dd.mm.yyyy)	Nominal Thickness (mm)	Declared Value (kg/m ²)	Measured Value (kg/m ²)	Evaluation	Report No:
SPR230	21.10.2015	50	0,2	0,18	Complied	CPR-T/R16-56
	06.11.2015	30		0,17	Complied	CPR-T/R16-57
	15.10.2015	50		0,19	Complied	CPR-T/R16-58
	26.10.2015	30		0,13	Complied	CPR-T/R16-59

Bu rapor izin alınmadan kısmi olarak ya da içeriği değiştirilerek çoğaltılamaz. Bu raporun sadece orijinal kopyası geçerlidir. TEBAR A.Ş. Orijinali dışındaki kopyalardan sorumlu tutulamaz.

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2.4. REACTION TO FIRE

The products collected into product groups regarding to clause 4.2.3 of EN 14315-1 according to EN 13501-1. Regarding to the manufacturer's declaration on reaction to fire classification as "E", the product tested according to EN ISO 11925-2.

Group 1: Thermal insulation products made from sprayed rigid polyurethane foam (PU) (30 kg/m³)

Product	Production Date (dd.mm.yyyy)	Nominal Thickness (mm)	Reaction to fire		Evaluation	Report No:
			Declared Value	Measured		
SPR230	21.10.2015	50	E	E	Complied	CPR-T/R16-68
	06.11.2015	30				
	15.10.2015	50				
	26.10.2015	30				

3. EVALUATION:

The tested thermal insulation products made from sprayed rigid polyurethane foam (PU) samples comply with the declared water permeability, thermal conductivity, reaction to fire, compressive strength classes of the manufacturer "AKDE KİMYA END. SAN. VE TİC. LTD ŞTİ."

Product type determination tests are valid until the conditions not changed. Any modifications on manufacturing process and raw materials or any changes on component suppliers which may have affect on one or more properties of the product, product type determination testing should be repeated for relevant characteristics. The manufacturer can use this product type determination report for issuing Performance Declaration according to EN 14315-1 (Annex ZA Clause ZA2.2.) only if factory production control is correctly carried out.

The manufacturer "AKDE KİMYA END. SAN. VE TİC. LTD ŞTİ." entitled to use CE Conformity Mark regarding to Performance Declaration with the declared values of water permeability, thermal conductivity, reaction to fire, compressive strength classes as long as factory production control is correctly carried out according to EN 14315-1; Thermal insulating products for buildings - In-situ formed sprayed rigid polyurethane (PUR) and polyisocyanurate (PIR) foam products - Part 1: Specification for the rigid foam spray system before installation which are produced with a trademark of "SPR230" in the plant in "Yeşilbayır Mah. Şimşir Sok. No:3 Hadımköy/İSTANBUL "

Date: 04/02/2016, İstanbul



Approved by
Timur DİZ
AoC Manager

Bu rapor izin alınmadan kısmi olarak ya da içeriği değiştirilerek çoğaltılamaz. Bu raporun sadece orijinal kopyası geçerlidir.
TEBAR A.Ş. Orijinali dışındaki kopyalardan sorumlu tutulamaz.
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