

Sayı : 68681870-190.01.00.00-259136

21.07.2014

Konu : Muayene ve Deney Hizmetleri

PONSBLOK MADENCİLİK VE YAPI ELEM. SAN VE TİC. A.Ş.

GAZİOSMAN PAŞA BULV. NO. 6 35210 PASABORT

İZMİR

İlgi 16.07.2014 tarih 111949 nolu talebiniz.

İlgi taleplerinizle istemiş olduğunuz 26.12.2014 Tarih ve 204981 nolu raporun İngilizceye çevrilmesi yapılmış olup, 21.07.2014 tarih ve 225841 nolu İngilizce rapor ekte verilmiştir.

Bilgilerinizi arz/rica ederim.

e-imzalı

Murat GÜR

**Turgutlu Yapı Malzemeleri Teknik
Şefi**

EKLER :

- 1-) 1 adet muayene ve deney raporu
- 2-) 1 adet numune iade sarf ve teslim tutanağı
- 3-) 1 adet fatura aslı

Bu evrak 5070 sayılı Elektronik İmza Kanunu'na göre elektronik olarak imzalanmıştır. Evrak doğrulama adresi: <http://ebys.tse.org.tr/Dogrulama.aspx?p=qzwepzwr>





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

AB-0001-T

225841

07-14

MUAYENE VE DENEY RAPORU TEST REPORT

Deneyi Talep Eden

: PONSBLOK MADENCİLİK VE YAPI ELEMANLARI SAN.VE TİC.A.Ş.

(Adı,Adresi,Şehir vb.)

GAZİOSMANPAŞA BULVARI NO:6 35210 PASAPORT Konak-İZMİR)

Customer (Name,Address,City etc.)

Deney Talep Tarihi/No

: 16.07.2014 / 111949

Order Date / No

Numunenin Tanımı

: TUĞLA, , 390X190X190MM , - , - , 0,00 -

(Cins, Marka, Tip, Tür, Model vb.)

Sample Description (Type,Mark,Model etc.)

Numune Kabul Tarihi

: 16.07.2014

Test Item Receipt Date

Deneylerin Yapıldığı Tarih

: 16.07.2014 - 21.07.2014

Date of Test

Uygulanan Standard / Metod

: TS EN 771-3:2012-12 Kâgir birimler - Özellikler - Bölüm 3: Beton kâgir birimler (yoğun ve hafif agregalı)

Applied Standard/Method

Raporun Sayfa Sayısı

: 9

Number of pages of the report

Açıklamalar

: RAPOR ÇEVİRİSİ OLD.NUMUNE YOKTUR
BU RAPOR 26.12.2013 TARİH VE 204981 SAYILI TÜRKÇE RAPORUN ÇEVİRİSİ
OLUP,SÖZ KONUSU RAPORDAKİ SONUÇLAR ESAS ALINMIŞTIR.YENİ BİR DENEY
YAPILMAMIŞTIR.

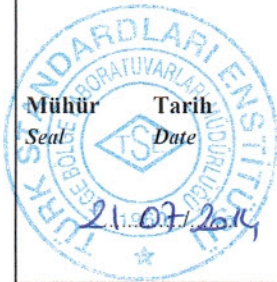
Remarks

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

Deney Sorumlusu
Person in charge of tests

Kontrol Eden
Reviewer

Onaylayan
Approved by

Akide Seelen HERGÜN
Tekniker

Murat GÜR
Teknik Şef

Murat GÜR
Teknik Şef

Bu rapor, hazırlayan 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.

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



MUAYENE - DENEY SONUÇLARI TEST RESULTS

4 Materials	Results	Conclusion
Standard Requirements		
4.1 General The specifications of the materials to be used shall be included in the production control documentation (see 8.3). If appropriate European Standards are available, they shall be used except that aggregates need not comply with grading requirements. If not available, the manufacturer shall specify the materials and have data on their suitability.	---	----

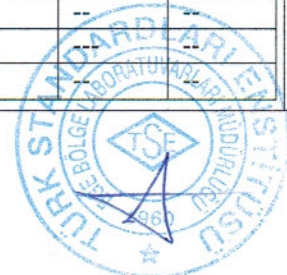
Standard Requirements	Results	Conclusion																																																																																																																														
5.2 Dimensions and tolerances 5.2.1 Dimensions The manufacturer shall declare the dimensions of the concrete masonry units in mm for length, width and height, in that order Manufacturer Declared: Length :390 mm Width :190 mm Height :190 mm	For Dimensions and tolerances see article 5.2.2	---																																																																																																																														
5.2.2 Dimensions tolerances 5.2.2.1 Tolerances The tolerances on declared work sizes of individual regular shaped units shall conform to Table 1. Closer tolerances may be declared for one or more dimensions. The manufacturer shall declare the tolerance category of the units. Tolerances for non-regular shaped and accessory units shall be as given in Table 1 or as declared by the manufacturer. These tolerances shall not apply to the dimensions between the surfaces of units which are manufactured to be non planar. If sampled in accordance with clause A.2 and tested in accordance with EN 772-16 (method A) the results evaluated in accordance with clause B.1 shall conform to the declared tolerance category. Manufacturer Declared: D1	Results(mm) for $n_1 = 6$ <table><tr><th>No</th><th>Lengt h</th><th>Dev.</th><th>Wid th</th><th>Dev.</th><th>Heig ht</th><th>Dev.</th></tr><tr><td>1</td><td>392</td><td>+2</td><td>190</td><td>0</td><td>189</td><td>-1</td></tr><tr><td>2</td><td>390</td><td>0</td><td>189</td><td>-1</td><td>190</td><td>0</td></tr><tr><td>3</td><td>391</td><td>+1</td><td>190</td><td>0</td><td>190</td><td>0</td></tr><tr><td>4</td><td>391</td><td>+1</td><td>190</td><td>0</td><td>189</td><td>-1</td></tr><tr><td>5</td><td>392</td><td>+2</td><td>189</td><td>-1</td><td>190</td><td>0</td></tr><tr><td>6</td><td>390</td><td>0</td><td>190</td><td>0</td><td>189</td><td>-1</td></tr></table> Results(mm) for $n_2 = 10$ (If n_1 is not suitable) <table><tr><th>No</th><th>Len gth</th><th>Dev.</th><th>Widt h</th><th>Dev.</th><th>Heig ht</th><th>Dev.</th></tr><tr><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>3</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>8</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr></table>	No	Lengt h	Dev.	Wid th	Dev.	Heig ht	Dev.	1	392	+2	190	0	189	-1	2	390	0	189	-1	190	0	3	391	+1	190	0	190	0	4	391	+1	190	0	189	-1	5	392	+2	189	-1	190	0	6	390	0	190	0	189	-1	No	Len gth	Dev.	Widt h	Dev.	Heig ht	Dev.	1	-	-	-	-	-	-	2	-	-	-	-	-	-	3	-	-	-	-	-	-	4	-	-	-	-	-	-	5	-	-	-	-	-	-	6	-	-	-	-	-	-	7	-	-	-	-	-	-	8	-	-	-	-	-	-	9	-	-	-	-	-	-	10	-	-	-	-	-	-	THE APPROPRIATE
No	Lengt h	Dev.	Wid th	Dev.	Heig ht	Dev.																																																																																																																										
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5	392	+2	189	-1	190	0																																																																																																																										
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10	-	-	-	-	-	-																																																																																																																										

Tolerance category	D1	D2	D3	D4
Length	+3	+1	+1	-1
	-5	-3	-3	-3
Width	+3	+1	+1	+1
	-5	-3	-3	-3
Height	+3	± 2	± 1,5	± 1,0
	-5			

Table 1 — Limit deviations in millimetres

Tolerance category	D1	D2	D3	D4
Length	+3 -5	+1 -3	+1 -3	+1 -3
Width	+3 -5	+1 -3	+1 -3	+1 -3
Height	+3 -5	±2	±1,5	±1,0

Standard Requirements	Results						Conclusion
5.2.2.2 Flatness of bed faces When aggregate concrete masonry units are declared as tolerance category D4 for use with thin layer mortar, the manufacturer shall also declare the maximum deviation from flatness of the bed faces. Manufacturer Declared:	No.	surface shape	1.Diagonal Line mm.	1.Diagonal Line mm.	1.Diagonal Line mm.	Deviation from flatness mm	---
	1	--	--	--	--	--	
	2	--	--	--	--	--	
	3	--	--	--	--	--	





MUAYENE - DENEY SONUÇLARI TEST RESULTS

Standard Requirements	Results	Conclusion								
5.2.2.3 Plane parallelism of bed faces When aggregate concrete masonry units are declared as tolerance category D4 for use with thin layer mortar, the manufacturer shall also declare the maximum deviation from plane parallelism of the bed faces. Manufacturer Declared:	<table><tr><th>No.</th><th>Maximum Deviation</th></tr><tr><td>1</td><td>--</td></tr><tr><td>2</td><td>--</td></tr><tr><td>3</td><td>--</td></tr></table>	No.	Maximum Deviation	1	--	2	--	3	--	---
No.	Maximum Deviation									
1	--									
2	--									
3	--									

Standard Requirements	Results	Conclusion										
5.3 Configuration and appearance 5.3. Configuration – shape and features, including the direction of any formed voids (by means of a drawing or illustration,when relevant); – volume of all formed voids as a percentage of the length × width × height of the unit; Manufacturer Declared: Max:%85,00 Min:%10,00	---	---										
– volume of the largest of any formed voids as a percentage of the length × width × height of the unit; Manufacturer Declared: Max:%20,00 Min:%1,00	<table><tr><th>No.</th><th>(%)</th></tr><tr><td>1</td><td>38,3</td></tr><tr><td>2</td><td>38,4</td></tr><tr><td>3</td><td>38,3</td></tr><tr><td>Ort</td><td>38,3</td></tr></table>	No.	(%)	1	38,3	2	38,4	3	38,3	Ort	38,3	THE APPROPRIATE
No.	(%)											
1	38,3											
2	38,4											
3	38,3											
Ort	38,3											
– volume of grip holes as a percentage of the length × width × height of the unit; Manufacturer Declared: Max:%15,00 Min:%0,20	<table><tr><th>No.</th><th>(%)</th></tr><tr><td>1</td><td>3,5</td></tr><tr><td>2</td><td>3,4</td></tr><tr><td>3</td><td>3,4</td></tr><tr><td>Ort</td><td>3,4</td></tr></table>	No.	(%)	1	3,5	2	3,4	3	3,4	Ort	3,4	THE APPROPRIATE
No.	(%)											
1	3,5											
2	3,4											
3	3,4											
Ort	3,4											
- thickness of webs; Manufacturer Declared: Max:40,00 mm. Min:10,00 mm.	<table><tr><th>No.</th><th>(mm)</th></tr><tr><td>1</td><td>19,3</td></tr><tr><td>2</td><td>19,4</td></tr><tr><td>3</td><td>19,4</td></tr><tr><td>Ort</td><td>19,4</td></tr></table>	No.	(mm)	1	19,3	2	19,4	3	19,4	Ort	19,4	THE APPROPRIATE
No.	(mm)											
1	19,3											
2	19,4											
3	19,4											
Ort	19,4											





MUAYENE - DENEY SONUÇLARI TEST RESULTS

Standard Requirements	Results	Conclusion															
- thickness of shells; Manufacturer Declared: Width Lenght Max: 40,00 mm 40,00 mm Min: 10,00mm 10,00 mm	<table><tr><th>No.</th><th>Width</th><th>Lenght</th></tr><tr><td>1</td><td>18,7</td><td>19,4</td></tr><tr><td>2</td><td>18,7</td><td>19,3</td></tr><tr><td>3</td><td>18,9</td><td>19,0</td></tr><tr><td>Ort</td><td>18,8</td><td>19,2</td></tr></table>	No.	Width	Lenght	1	18,7	19,4	2	18,7	19,3	3	18,9	19,0	Ort	18,8	19,2	THE APPROPRIATE
No.	Width	Lenght															
1	18,7	19,4															
2	18,7	19,3															
3	18,9	19,0															
Ort	18,8	19,2															
- combined thickness of webs and shells from face to face; Manufacturer Declared: Max:%90,00 Min:%20,00	<table><tr><th>No.</th><th>(%)</th></tr><tr><td>1</td><td>40,3</td></tr><tr><td>2</td><td>40,6</td></tr><tr><td>3</td><td>40,3</td></tr><tr><td>Ort</td><td>40,4</td></tr></table>	No.	(%)	1	40,3	2	40,6	3	40,3	Ort	40,4	THE APPROPRIATE					
No.	(%)																
1	40,3																
2	40,6																
3	40,3																
Ort	40,4																
- combined thickness of webs and shells from header to header; Manufacturer Declared: Max:%80,00 Min:%10,00	<table><tr><th>No.</th><th>(%)</th></tr><tr><td>1</td><td>19,9</td></tr><tr><td>2</td><td>19,6</td></tr><tr><td>3</td><td>19,6</td></tr><tr><td>Ort</td><td>19,7</td></tr></table>	No.	(%)	1	19,9	2	19,6	3	19,6	Ort	19,7	THE APPROPRIATE					
No.	(%)																
1	19,9																
2	19,6																
3	19,6																
Ort	19,7																
- area of voids on a bed face as a percentage of the length × width of the unit. Manufacturer Declared: Max:%50,00 Min:%10,00	<table><tr><th>No.</th><th>(%)</th></tr><tr><td>1</td><td>39,1</td></tr><tr><td>2</td><td>39,4</td></tr><tr><td>3</td><td>39,5</td></tr><tr><td>Ort</td><td>39,3</td></tr></table>	No.	(%)	1	39,1	2	39,4	3	39,5	Ort	39,3	THE APPROPRIATE					
No.	(%)																
1	39,1																
2	39,4																
3	39,5																
Ort	39,3																
- The total volume of frogs shall not exceed 20 % of the overall volume of the unit, i.e. length × width × height. Manufacturer Declared: Max:% Min:%	<table><tr><th>No.</th><th>(%)</th></tr><tr><td>1</td><td>--</td></tr><tr><td>2</td><td>--</td></tr><tr><td>3</td><td>--</td></tr><tr><td>Ort</td><td>--</td></tr></table>	No.	(%)	1	--	2	--	3	--	Ort	--	--					
No.	(%)																
1	--																
2	--																
3	--																
Ort	--																

Standard Requirements	Results	Conclusion
5.3.2 Appearance 5.3.2.1 Flatness of surfaces of facing units When the surface of facing units are declared by the manufacturer to be plaine, they shall not deviate from a plane by more than $(0,1 \sqrt{ld})$ mm or 2 mm whichever is the greater, where ld is the length of the diagonal of the surface of the unit declared plaine, based on the actual size of the unit. The requirements for flatness shall not apply to the surfaces of units which are manufactured to be nonplanar. Manufacturer Declared:	---	----

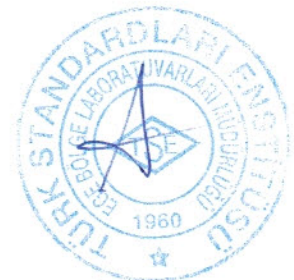




MUAYENE - DENEY SONUÇLARI TEST RESULTS

Standard Requirements	Results	Conclusion
5.3.2.2 Surface appearance of facing units When required the surface of facing units may have compliance established on the basis of comparison with any approved samples. Comparison shall be made from a distance of 3 m in normal daylight conditions. This compliance shall be established before the units are used.	---	---

Standard Requirements	Results	Conclusion																																																												
5.4 Density 5.4.1 Gross dry density of the units The gross dry density of the units shall be declared in kg/m ³ by the manufacturer. 5.4.3 Tolerances:±%10 The mean values of the samples tested shall not deviate by more than ± 10 % from the declared values. Closer deviations may be declared. If sampled in accordance with A.2 and tested in accordance with EN 772-13, the results evaluated in accordance with B.3 shall comply with the declared values. Manufacturer Declared: 360 kg/m ³	Results for n₁ = 6 <table><tr><th>No</th><th>Gross dry density (kg/m³)</th><th>% Deviation</th></tr><tr><td>1</td><td>356</td><td>1,1</td></tr><tr><td>2</td><td>359</td><td>0,3</td></tr><tr><td>3</td><td>348</td><td>3,3</td></tr><tr><td>4</td><td>363</td><td>0,8</td></tr><tr><td>5</td><td>357</td><td>0,8</td></tr><tr><td>6</td><td>365</td><td>1,4</td></tr><tr><td>Ort</td><td>358</td><td>1,3</td></tr></table> Results for n₂=10(If n₁ is not suitable) <table><tr><th>No</th><th>Gross dry density (kg/m³)</th><th>% Deviation</th></tr><tr><td>1</td><td>-</td><td>-</td></tr><tr><td>2</td><td>-</td><td>-</td></tr><tr><td>3</td><td>-</td><td>-</td></tr><tr><td>4</td><td>-</td><td>-</td></tr><tr><td>5</td><td>-</td><td>-</td></tr><tr><td>6</td><td>-</td><td>-</td></tr><tr><td>7</td><td>-</td><td>-</td></tr><tr><td>8</td><td>-</td><td>-</td></tr><tr><td>9</td><td>-</td><td>-</td></tr><tr><td>10</td><td>-</td><td>-</td></tr><tr><td>Ort</td><td>-</td><td>-</td></tr></table>	No	Gross dry density (kg/m ³)	% Deviation	1	356	1,1	2	359	0,3	3	348	3,3	4	363	0,8	5	357	0,8	6	365	1,4	Ort	358	1,3	No	Gross dry density (kg/m ³)	% Deviation	1	-	-	2	-	-	3	-	-	4	-	-	5	-	-	6	-	-	7	-	-	8	-	-	9	-	-	10	-	-	Ort	-	-	THE APPROPRIATE
No	Gross dry density (kg/m ³)	% Deviation																																																												
1	356	1,1																																																												
2	359	0,3																																																												
3	348	3,3																																																												
4	363	0,8																																																												
5	357	0,8																																																												
6	365	1,4																																																												
Ort	358	1,3																																																												
No	Gross dry density (kg/m ³)	% Deviation																																																												
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2	-	-																																																												
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MUAYENE - DENEY SONUÇLARI TEST RESULTS

Standard Requirements	Results	Conclusion																																																												
5.4.2 Net dry density of the concrete When relevant to the uses for which the unit is put on the market, the manufacturer shall declare the net dry density of the concrete units in kg/m³. 5.4.3 Tolerances: $\pm 10\%$ The mean values of the samples tested shall not deviate by more than $\pm 10\%$ from the declared values. Closer deviations may be declared. If sampled in accordance with A.2 and tested in accordance with EN 772-13, the results evaluated in accordance with B.3 shall comply with the declared values. Manufacturer Declared: 550 kg/m³	Results for $n_1 = 6$ <table border="1"> <thead> <tr> <th>No</th><th>Net dry density kg/m³</th><th>% Deviation</th></tr> </thead> <tbody> <tr><td>1</td><td>577</td><td>2,2</td></tr> <tr><td>2</td><td>558</td><td>1,4</td></tr> <tr><td>3</td><td>565</td><td>2,7</td></tr> <tr><td>4</td><td>570</td><td>1,8</td></tr> <tr><td>5</td><td>559</td><td>1,6</td></tr> <tr><td>6</td><td>563</td><td>2,4</td></tr> <tr><td>Ort</td><td>565</td><td>2,0</td></tr> </tbody> </table> Results for $n_2 = 10$ (If n_1 is not suitable) <table border="1"> <thead> <tr> <th>No</th><th>Net dry density kg/m³</th><th>% Deviation</th></tr> </thead> <tbody> <tr><td>1</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>-</td><td>-</td></tr> <tr><td>9</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>-</td><td>-</td></tr> <tr><td>Ort</td><td>-</td><td>-</td></tr> </tbody> </table>	No	Net dry density kg/m ³	% Deviation	1	577	2,2	2	558	1,4	3	565	2,7	4	570	1,8	5	559	1,6	6	563	2,4	Ort	565	2,0	No	Net dry density kg/m ³	% Deviation	1	-	-	2	-	-	3	-	-	4	-	-	5	-	-	6	-	-	7	-	-	8	-	-	9	-	-	10	-	-	Ort	-	-	THE APPROPRIATE ---
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* 5.5 Mechanical strength 5.5.1 Compressive strength Category declared: I Normalized compressive strength of masonry units: --- N/mm² Mean compressive strength of masonry units:--- N/mm² Characteristic compressive strength of masonry units: 0,4 N/mm² Surface preparation used (Capping / Grinding) : Grinding Test Application Side :(Lenght x Width): 390x190 mm <pre>graph TD A[Test on n1 units from 1st sample] --> B{All values of fci are at least = 0.9 fc} B -- Yes --> C{The individual strengths of n1 units are at least = fc} B -- No --> D[Only a single is less than fc] C -- Yes --> E[Test on n2 units from 2nd sample] C -- No --> D D -- No --> F[Consignment does not comply] D -- Yes --> E E --> G{All values of fci of 2nd sample at least = fc} G -- Yes --> H[Consignment complies] G -- No --> F</pre> Key f_c is the declared characteristic compressive strength, in MPa (N/mm²). f_{ci} is the individual masonry unit compressive strength, in MPa (N/mm²). n_1 and n_2 are as given in Table A.1. Figure B.3 — Scheme for the assessment of characteristic strength of units	Results for $n_1 = 6$ <table><tr><th rowspan="2">No</th><th colspan="2">Compressive strength (N/mm²)</th><th rowspan="2">Load (N)</th></tr><tr><th>Bed</th><th>Face</th></tr><tr><td>1</td><td>0,8</td><td>--</td><td>64600</td></tr><tr><td>2</td><td>1,0</td><td>--</td><td>73400</td></tr><tr><td>3</td><td>1,0</td><td>--</td><td>71200</td></tr><tr><td>4</td><td>0,9</td><td>--</td><td>68800</td></tr><tr><td>5</td><td>1,0</td><td>--</td><td>75500</td></tr><tr><td>6</td><td>1,0</td><td>--</td><td>71000</td></tr><tr><td>Ort.</td><td>1,0</td><td>--</td><td>70750</td></tr><tr><td colspan="2">Coefficient of Variation(%)</td><td colspan="2">% 8,3</td></tr></table> Results for $n_2 = 10$(If n_1 is not suitable) <table><tr><th rowspan="2">No</th><th colspan="2">Compressive strength (N/mm²)</th><th rowspan="2">Load (N)</th></tr><tr><th>Bed</th><th>Face</th></tr><tr><td>1</td><td>-</td><td>-</td><td>-</td></tr><tr><td>2</td><td>-</td><td>-</td><td>-</td></tr><tr><td>3</td><td>-</td><td>-</td><td>-</td></tr><tr><td>4</td><td>-</td><td>-</td><td>-</td></tr><tr><td>5</td><td>-</td><td>-</td><td>-</td></tr><tr><td>6</td><td>-</td><td>-</td><td>-</td></tr><tr><td>7</td><td>-</td><td>-</td><td>-</td></tr><tr><td>8</td><td>-</td><td>-</td><td>-</td></tr><tr><td>9</td><td>-</td><td>-</td><td>-</td></tr><tr><td>10</td><td>-</td><td>-</td><td>-</td></tr><tr><td>Ort.</td><td>-</td><td>-</td><td>-</td></tr><tr><td colspan="2">Coefficient of Variation (%)</td><td colspan="2">-</td></tr></table>	No	Compressive strength (N/mm ²)		Load (N)	Bed	Face	1	0,8	--	64600	2	1,0	--	73400	3	1,0	--	71200	4	0,9	--	68800	5	1,0	--	75500	6	1,0	--	71000	Ort.	1,0	--	70750	Coefficient of Variation(%)		% 8,3		No	Compressive strength (N/mm ²)		Load (N)	Bed	Face	1	-	-	-	2	-	-	-	3	-	-	-	4	-	-	-	5	-	-	-	6	-	-	-	7	-	-	-	8	-	-	-	9	-	-	-	10	-	-	-	Ort.	-	-	-	Coefficient of Variation (%)		-		THE APPROPRIATE
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5.5.2 Bending tensile strength The mean bending tensile strength of units, having a w less than 100 mm and a ratio of l to w greater than 10, may be declared by the manufacturer instead of compressive strength.																																																																																														



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5.6 Thermal Properties Manufacturer Declared: λ= 0,160 W/mK	Use EN 1745 Model P4 (Use EN 1745 EK 'A ;P= %50 and TRISCO calculated thermal transmittance (U Values) Net dry density : 565 kg/m3 Thermal transmittance :0,566 [W/(m².K)] Thermal resistance (R) :1,596 [(m².K)/W] Thermal conductivity (λ _{10,dry,unit}) : 0,119[W/(m.K)] (λ= d/R was calculated from the formula (d=0.19 m)	THE APPROPRIATE								
Standard Requirements	Results	Conclusion								
5.7 Durability When relevant to the uses for which the units are put on the market, the manufacturer shall evaluate and declare the freeze/thaw resistance of the units by reference to the provisions valid in the intended place of use of the units until an appropriate European Standard is available. Manufacturer Declared: --	---	---								
5.8 Water absorption by capillarity When relevant to the uses for which units are put on to the market and in all cases for units intended to be used in exposed external elements (see 3.1.4), the manufacturer shall declare in g/m²s the maximum water absorption coefficient due to capillary action of the exposed face of the unit. If sampled in accordance with A.2 and tested in accordance with EN 772-11 for an immersion time of (10 ± 0,2) min, the results evaluated in accordance with B.5 shall be no more than the declared value. Manufacturer Declared: --	<table><tr><td>No.</td><td>g/m²s</td></tr><tr><td>1</td><td>---</td></tr><tr><td>2</td><td>---</td></tr><tr><td>3</td><td>---</td></tr></table>	No.	g/m²s	1	---	2	---	3	---	---
No.	g/m²s									
1	---									
2	---									
3	---									
5.9 Moisture movement When relevant to the uses for which the unit is put on the market and in all cases for units intended to be used in elements subject to structural requirements, the moisture movement (shrinkage and expansion) of units shall be declared by the manufacturer. Manufacturer Declared: --	---	---								
5.10 Water vapour permeability When relevant to the uses for which the masonry unit is put on the market and in all cases for units intended to be used in external elements, the manufacturer shall provide information on the water vapour permeability through the water vapour diffusion coefficient tabulated values given in EN 1745 or determined in accordance with EN ISO 12572. Manufacturer Declared: μ:5/15	water vapour diffusion coefficient (μ):8,05	THE APPROPRIATE								
5.11 Reaction to fire For units intended to be used in elements subject to fire requirements the manufacturer shall declare the reaction to fire classification of the masonry unit. For masonry units containing a mass or volume fraction of . 1,0 % (whichever is the most onerous) of homogeneously distributed organic materials the declaration may be fire Class A1 without the need to test. Manufacturer Declared: A1	% 0,895	THE APPROPRIATE								





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5.12 Shear bond strength 5.12.1 General For aggregate concrete masonry units intended to be used in elements subjected to structural requirements, the shear bond strength of the unit in combination with mortar shall be declared in terms of the characteristic initial shear strength in accordance with EN 1052-3. The declaration may be made either on the basis of fixed values as in 5.12.2 or tests as in 5.12.3. The manufacturer shall declare whether the value of bond strength has been obtained from the fixed values or from test. Manufacturer Declared:----	---	---
5.13 Flexural bond strength When relevant for the intended place of use and the intended application, the flexural bond strength of units and mortar shall be declared. Manufacturer Declared:----	---	---
6 Description, designation and classification of aggregate concrete masonry units 6.1 Description and designation of units The description and designation of an aggregate concrete masonry unit shall comprise at least the following: a) number and date of issue of this European Standard; b) type of unit (see Clause 3); c) work size dimensions and tolerance category (see 5.2); d) compressive or bending tensile strength (where appropriate, see 5.5); e) configuration and appearance (see 5.3). When relevant to the uses for which the units are put on the market, the description and designation may include: f) gross dry density (see 5.4.1); g) net dry density declared for the concrete, (see 5.4.2); h) coordinating size (see 5.2.1); i) moisture movement (see 5.9); j) thermal properties (see 5.6); k) other properties.	---	----
6.2 Classification Specification of the properties of the units may be given by reference to classification systems provided those systems are based only on single properties included in this European Standard and do not themselves constitute a barrier to trade. This does not remove the requirement that all manufacturers claiming compliance with this European Standard shall state declared values of the properties of their products, when required.	---	---
7 Marking The following particulars shall be clearly marked on one of the following: the packaging, the delivery note, any certificate supplied with the masonry units, or 5 % of the units with a minimum of 4 per pack: a) The name, trademark or other means of identification of the manufacturer; b) Means of identifying the date of manufacture of the units; c) Means of identifying the units and relating them to their description and designation.	---	---

* Scope of accreditation



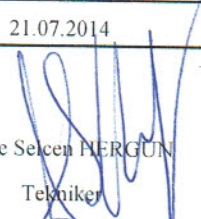


TSE DENEY ve KALİBRASYON MERKEZİ BAŞKANLIĞI
Yapı Malzemeleri ve Kimya Laboratuvar Grup Başkanlığı (Gebze)
Ege Bölge Laboratuvarları Müdürlüğü
NUMUNE SARF İADE ve TESLİM TUTANAĞI

8780/1 sokak No:5 Çiğli / İZMİR Tel:+90 (232) 376 24 25 Fax: +90 (232) 386 15 10
eposta: egebolgelab@tse.org.tr web: www.tse.org.tr

Müşteri Tanımı : PONSBLOK MADENCİLİK VE YAPI ELEMANLARI SAN.VE TİC.A.Ş.	Talep Tarih/No : 16.07.2014 111949 <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 33%;">Evrak</td><td style="width: 33%;">Tarih</td><td style="width: 33%;">No</td></tr><tr><td>Yazı</td><td>09.07.2014</td><td></td></tr><tr><td>Bey.</td><td></td><td></td></tr></table>	Evrak	Tarih	No	Yazı	09.07.2014		Bey.		
Evrak	Tarih	No								
Yazı	09.07.2014									
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Num. Kayıt No	Numunenin Tanımı (Cins ,Marka , Tip ,Tür ,Model vs.)	Birim	Gelen	Harcanan	Hasarlı	İade	Olumsuz İade
220949	TUĞLA , , - , 390X190X190MM TOPLAM		0 0	0 0	0 0	0 0	0 0
Teslim edilme							☐

21.07.2014	.. / .. / 2014	.. / .. / 2014	.. / .. / 2014
 Akide Selcen BERGUN Tekniker Deneyi Yapan Personel	Lab. Depo Sorumlusu	Genel Depo Sorumlusu	Müşteri

NOT:Numunelerinizi teslim alırken lütfen kontrol ediniz. Teslim edilen numuneler için sorumluluk kabul edilmez.