



Gesellschaft für Qualitätssicherung und Materialprüfung mbH

Am Zehnthof 197
45307 Essen

PRÜF-, ÜBERWACHUNGS- UND
ZERTIFIZIERUNGSSTELLE

Telefon 0201/5 92 13-0
Telefax 0201/5 92 13-20

Test certificate No.: 104/18/E/1

Applicant:

Işıklar Yapı Ürünleri
Orhan Veli Kanık Cd.
Yakut Sokak Eryılmaz Plaza
34810 Kavacık - Istanbul, Türkei

Content of the request:

Investigation of aprons DF; regarding dimensions and flatness EN ISO 10545-2, moisture expansion EN ISO 10545-10, frost resistance according to EN ISO 10545-12, water absorption according to EN ISO 10545-3, DIN 66133 Determination of pore volume and pore radius maximum by mercury intrusion and determination of linear thermal expansion according to EN ISO 10545-8.

Sampling: 26.11.2018
Sample receipt: 28.11.2018
Sampler: Applicant
Sampling: Applicant
Shard colour: red
Dimensions: 240 x 52 x 15 mm
Work designation: Brick Slap KT1
Start of the test: 03.12.2018

Determination of the dimensions:

Sample number	Dimensions				Mass g
	Length mm	Height mm	Thickness mm	Surface area mm ²	
4/Z/1	240	53	15	12720	401,2
4/Z/2	243	54	15	13122	404,2
4/Z/3	240	54	15	12960	403,9
4/Z/4	240	53	16	12720	436,3
4/Z/5	240	53	15	12720	407,9
4/Z/6	240	53	15	12720	400,2
4/Z/7	240	53	15	12720	403,7
4/Z/8	241	53	16	12773	404,8
4/Z/9	240	54	16	12960	402,0
4/Z/10	240	53	15	12720	426,8
Average value:	240	53	15	12814	409,1
Manufacturer dimension:	240	52	15		
Measured deviation:	0	1	0		
Allowed deviation:	± 4 mm	± 1 mm	± 10 %		
Minimum dimension:	236	51	13,5		
Maximum dimension:	244	53	16,5		
Fulfilled:	yes	yes	yes		
According to DIN 18515-1					
	Surface area:		Thickness		Mass
Average value:	12814 mm ²		15 mm		409,1 g
Requirement:	≥ 10000 mm ²		≤ 15 mm		≤ 1500 g
Fulfilled:	yes		yes		yes