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Department: Mineralische Baustoffe
Building: Pfaffenwaldring 4c

Notified Body 0672

Date: 2007-03-05

Test Report 2006

9007314-W26/2/Is-06/Sgm

Order: Testing of gypsum plasterboards surfaced with paper on both sides according to DIN 18180.

Client: **ABS Alci ve Blok Sanayi A.S.**
Soyak Sitesi, 15 Blok Daire 281-283
81190 Küçükcamlica-Istanbul

Plant: **Ankara Fabrika, 06831 Gölbaşı**

Subject of testing: **GKF 12,5-2500 AK-A2**

Date of manufacture: **2006-07-13**

Date of sampling: 2006-11-14 (SGS)

Representative of plant: Binnur Kaya

Person of the official inspection body: Dr.-Ing. Stegmaier

Number of boards: 4

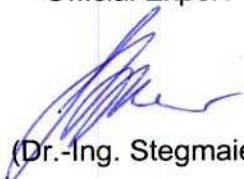
Date of delivery: 2006-12-20

Base of testing: DIN 18180, edition 1989 (withdrawn)
DIN 18200, edition 2000
Inspection contract from 1999-11-18

Results of testing: see enclosure 1

Evaluation: The tested gypsum plasterboards met the requirements according to DIN 18180.

Official Expert


(Dr.-Ing. Stegmaier)



Section
Masonry, Ceramics, Natural Stone


(Dipl.-Ing. Knödler)

The test results relate only to the items tested.

This report contains 1 page und 1 enclosure.

Publication of this report in full or partly is only allowed with written authorization by MPA University of Stuttgart.

GKF 12,5-2500 AK-A2

Results of testing

1. Marking A marking in black colours according to DIN 18180 was printed on the plasterboards.

2. Dimensions, mass per m², water absorption

test board No.	mean length [mm]	mean width [mm]	mean thickness [mm]	mass [kg/m ²]	water absorption [% by mass]
1	2500	1200	12,5	10,7	-
2	2500	1200	12,5	10,9	-
3	2500	1200	12,4	10,7	-
mean value	2500	1200	12,5	10,8	-
DIN 18180	2495	1195	12,0		
limits	2500	1200	13,0	10-13	≤ 10

3. Breaking load, deflection, core cohesion at high temperatures

test board No.	breaking load		deflection		high temperature test
	across [N]	parallel [N]	across [mm]	parallel [mm]	[min]
1	685	263	0,5	0,6	>20/>20
2	708	263	0,5	0,6	>20/>20
3	680	244	0,6	0,7	>20/>20
mean value	691	257	0,5	0,6	>20
DIN 18180					
limits	≥	≥	≤	≤	
mean value	600	180	0,8	1,0	> 20
individual value	540	162	1,0	1,2	> 20



4. Behaviour in fire according to DIN 4102

Gypsum plasterboards with a closed surface are classified in A2 (non-combustible) according to DIN 4102 part 4 -Fire behaviour of building materials and components; synopsis and application of classified building materials, components and special components- edition 1994.