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Department: Mineralische Baustoffe  
Building: Pfaffenwaldring 4c

**Notified Body 0672**

Date: 2007-03-05

## Test Report 2006

9007314-W26/1/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:** **GKB 12,5-2500 AK-A2**

**Date of manufacture:** **2006-07-24**

**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**Base of testing:** DIN 18180, edition 1989 (withdrawn)  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.

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## GKB 12,5-2500 AK-A2

### Results of testing

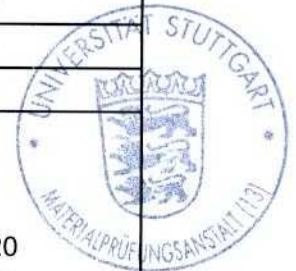
**1. Marking**                    A marking in black colours according to DIN 18180 was printed on the plasterboards.

**2. Dimensions, mass per m<sup>2</sup>, water absorption**

test board No.	mean length [mm]	mean width [mm]	mean thickness [mm]	mass [kg/m <sup>2</sup> ]	water absorption [% by mass]
1	2500	1200	12,5	9,6	-
2	2500	1200	12,3	9,3	-
3	2500	1200	12,3	9,7	-
mean value	2500	1200	12,4	9,5	-
DIN 18180	2495	1195	12,0		
limits	2500	1200	13,0	≤ 12,5	≤ 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	622	213	0,7	0,8	-
2	626	216	0,6	0,8	-
3	561	214	0,6	0,8	-
mean value	603	214	0,6	0,8	-
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.