MPA STUTTGART
Otto-Graf-Institut
Materialprüfungsanstalt • Universität Stuttgart

Materialprüfungsanstalt · Otto-Graf-Institut · Universität Stuttgart
Postfach 801140 · D-70511 Stuttgart

Notified Body 0672

Phone: ++49 (0)711 685 62256
Telefax: ++49 (0)711 685 66828
E-mail: fmpa.abt1@po.uni-stuttgart.de
Department: Mineralische Baustoffe
Building: Pfaffenwaldring 4c

Date: 2007-03-05

Test Report 2006
9007314-W26/4/ls-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 Kücükcamlica-Istanbul**
Plant:	**Ankara Fabrika, 06831 Gölbasi**
Subject of testing:	**GKBI 12,5-2500 AK-A2**
Date of manufacture:	**2006-11-13**
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Base of testing:	DIN 18180, edition 1989 (withdrawn) DIN 18200, edition 2000 Inspection contract from 1999-11-18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)

UNIVERSITÄT STUTTGART
MATERIALPRÜFUNGSANSTALT (1)

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.

GKBI 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/m²]	water absorption [% by mass]
1	2500	1200	12,3	10,2	5,5
2	2500	1200	12,3	9,8	4,9
3	2500	1200	12,4	10,2	5,7
mean value	2500	1200	12,3	10,1	5,4
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	630	217	0,7	0,9	-
2	608	236	0,7	0,8	-
3	558	242	0,7	0,9	-
mean value	599	232	0,7	0,9	-
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.