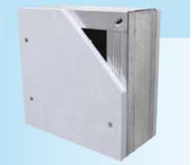
Technical Data



Wall System

Index	Dimension				Fire Resistance		Sound Reduction		Weight
	Board Thickness (mm)	Number of Layers	Stud size & Gauge (mm)	Overall Partition Width (mm)	Standardboard, Moistureshield*** (hrs)	Fireshield Denseshield Soundshield (hrs)	Clear Cavity dB (Rw)	Including Insulation* dB (Rw)	(kg/m²)**
W111-1	12	1	50 (0.50)	74	0.5	0.5	37	42	18
W111-2	15			80	0.5	1	37	42	22
W112-1	12	2		98	1	2	45	50	35
W112-2	15			110	1.5	2	46	52	42
W111-3	12	1	75 (0.50)	99	0.5	0.5	37	44	18
W111-4	15			105	0.5	1	40	44	22
W112-3	12	2		123	1	2	46	52	35
W112-4	15			135	1.5	2	47	55	42

* Use mineral wool min. 50mm, 40kg/m³
** Using Standardboard
*** Fire resistance based on test SNI 03-1741 and ASTM E119

Index	Max Heights Medium Duty — Low Numbers of Persons (Dwelling, Hotels, Office and Hospital Rooms, Corridors and Halls) — Studs Centres (mm)						Max Heights Heavy Duty — Large Numbers of Persons (Meeting Halls, School Classrooms, Lecture Rooms, Exhibition Halls) — Studs Centres (mm)						Max Heights Severe Duty — Major Circulation Areas & Heavy Industrial Areas — Studs Centres (mm)					
	300	400	600	300 Boxed	400 Boxed	600 Boxed	300	400	600	300 Boxed	400 Boxed	600 Boxed	300	400	600	300 Boxed	400 Boxed	600 Boxed
W111-1	4190	3500	3110	4870	4180	3600	3800	3220	2820	4480	3800	3310	3310	2820	2430	3890	3310	2820
W111-2	4580	3600	3110	5350	4570	3890	4190	3310	2820	4870	4190	3600	3700	2820	2600	4300	3700	3100
W112-1	4780	4190	3700	5550	4870	4380	4400	3800	3400	5100	4400	4000	3800	3300	3000	4500	3900	3500
W112-2	5260	4580	3890	6230	5350	4770	4800	4100	3500	5600	4900	4400	4200	3800	3100	4900	4200	3800
W111-3	5160	4280	3890	6140	5000	4570	4700	3900	3700	5500	4600	4200	4100	3400	3100	4800	4000	3600
W111-4	5650	4770	4280	6620	5550	4960	5200	4300	3900	6100	5100	4600	4500	3800	3400	5300	4400	4000
W112-3	5650	4870	4280	6620	5740	4960	5200	4500	3900	6100	5200	4600	4500	3900	3400	5300	4600	4000
W112-4	6130	5360	4570	7300	6330	5450	5700	4900	4300	6700	5800	5000	4900	4300	3700	5800	5000	4400

Maximum Height in this column based on deflection limitation of L/240 at 5psf load (24.5kg/m²)

Ceiling Systems.



Loading Table

Load Class (kg/m²) *weight per unit area of the ceiling including grid and suspension*	*Spacing of* Suspender / Threaded Rod *(a)*	*Spacing of* UFC Upper Channel *(b)*	*Spacing of* UFC Lower Channel *(c)*	
			9mm board	> 9mm board
	mm	mm	mm	mm
10	1200	1200	400	600
13	1100	1100	400	600
18	1000	1000	400	600
25	900	900	400	600
35	800	800	400	600

Refer to ASTM C840

KNAUF
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Disclaimer:

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KNAUF

KNAUF PRODUCT CATALOGUE
StandardBoard
Plasterboard

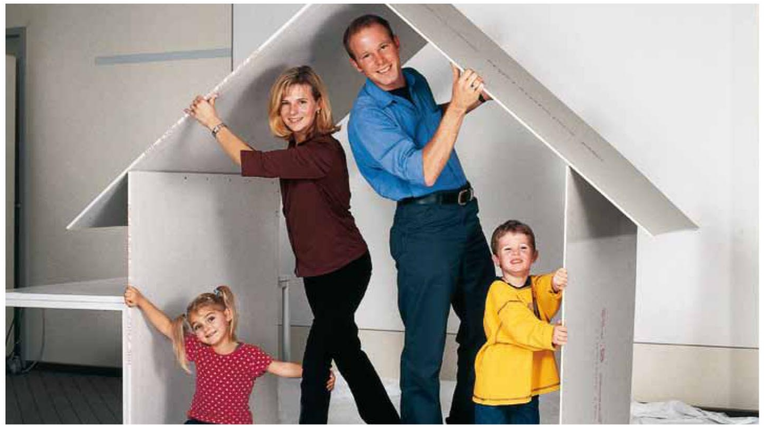


StandardBoard

KNAUF PLASTERBOARD

Knauf Group was founded in 1932 by the brothers Karl and Dr. Alfons N. Knauf in Iphofen Germany. Knauf nowadays operates more than 150 production plants in over 40 countries with over 23,000 employees. For the last few years, Knauf is spreading the market to East Europe and Asia.

Knauf Indonesia is the 48th Knauf plasterboard manufacturing in the world, which located at Cikampek, West Java. The Professional marketing methods, technical services, a solid logistic team hopely will give guarantee that our customers have access to the benefits service.



Product Specifications

Product Name	Square Edge	Tapered Edge	Size (mm)	Thickness (mm)	Weight (kg/m²)
StandardBoard	●	●	1200x2400	9	6.2
				12	9.1
				15	12.5

A Skin for The Wall

Gypsum is the ideal surface for a wall because it has the same PH value and thermal conductivity properties as the human skin. Gypsum is made up of minerals, and is free of any materials that could negatively influence a sense of well-being. Gypsum is not harmful to human skin : modern medicine uses gypsum directly on the skin to set broken bones; dental technology uses gypsum for molds.

Feel The Warmth

Building materials made of gypsum always feel warm when touched. This is no deception as gypsum possesses low thermal conductivity properties. As a result, gypsum building materials store warmth within a building.

Balanced Climate

The secret of a balanced room climate lies primarily in balanced humidity levels.
Once again nature has presented us with a highly effective moisture management system in gypsum . The gypsum can absorb a lot of humidity through its open and crystalline pores and then automatically releases this moisture when a room becomes too dry. This works as often as necessary, and without consuming energy.



Performance

ASTM C1396

ASTM INTERNATIONAL
Standards Worldwide