

USGBORAL GYPSUM TILES

jayaboard[®]
By **USG BORAL**

jayapanel

April 2018



Combination of
Acoustic & Aesthetic

Head Office

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PLASTERBOARD

CEILINGS

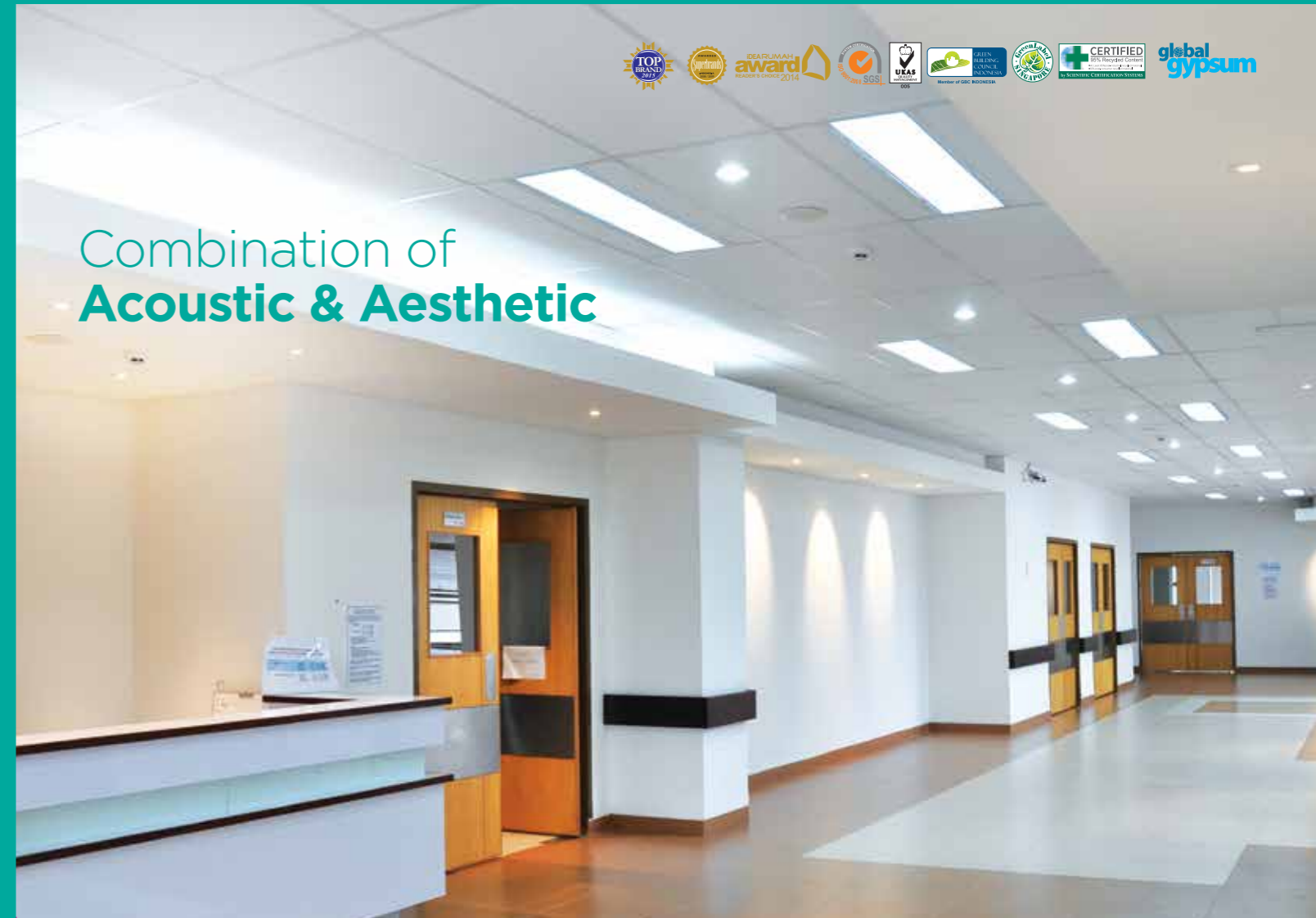
INTERIOR FINISHES

METAL FRAMING

SUBSTRATES

Hotline : (021) 797 7777

USG Boral - Jayaboard @jayaboardtwit jayaboardtube jayaboard_ig





Location: Rumah Prefab, Gandaria

About *jayapanel*

Jayapanel product range offer premium quality gypsum panel with easy and fast installation.

Why *jayapanel*?



Fire Performance

jayapanel has fire performances compiles to BS 476 Part 7: Method for Classification of the Surface Spread of Flame of Products.



Better Sound Absobtion

jayaakustik has better sound absorbtion on human range frequency (125 – 1000 Hz) compare to the other materials.



Less Sagging

jayapanel has maximum sagging 2mm.



Humidity Performance

All jayapanel product range has humidity performance max RH 90% with 30°C temperature.



Light Reflectane

jayapanel can reflecting light 84% - 87%, furthermore it can reduce amount of lamp.



Load Performance

Maximum load 3 kg.

jayapanel installed with *jayabms* framing system

Edge profile

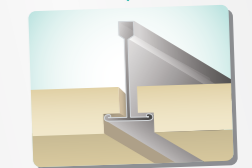
Ceiling Panel 9 mm

Square Edge (SE)



Ceiling Panel 12 mm

Tegular Edge (TE): Shadowline



Dimension

CEILING	Modul Size	Tegular Edge (TE):	Square Edge (SE)
Metric	600 X 600	586 X 586	595 X 595
		586 X 1186	595 X 1195
Imperial	600 X 1200	596 X 596	603 X 603
		596 X 1196	603 X 1212

jayadeko

jayadeko is ceiling panel with paint surface finished.

- ✓ **Economic**
- ✓ **Brighter surface**
- ✓ **Available on SE and TE**

jayatekstur

jayatekstur is Ceiling Panel with painted and texture combination finished.

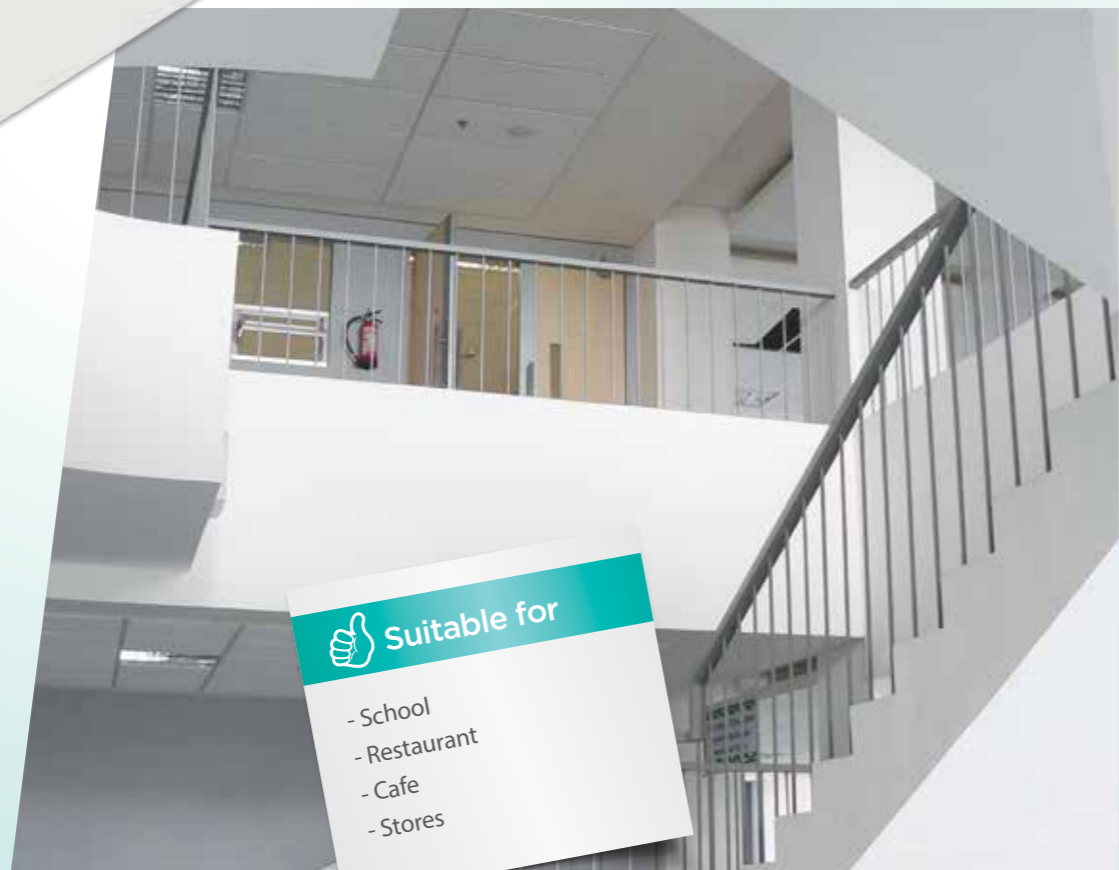
- ✓ **Unique surface texture**
- ✓ **Brighter surface**
- ✓ **Available on SE and TE**



Natura



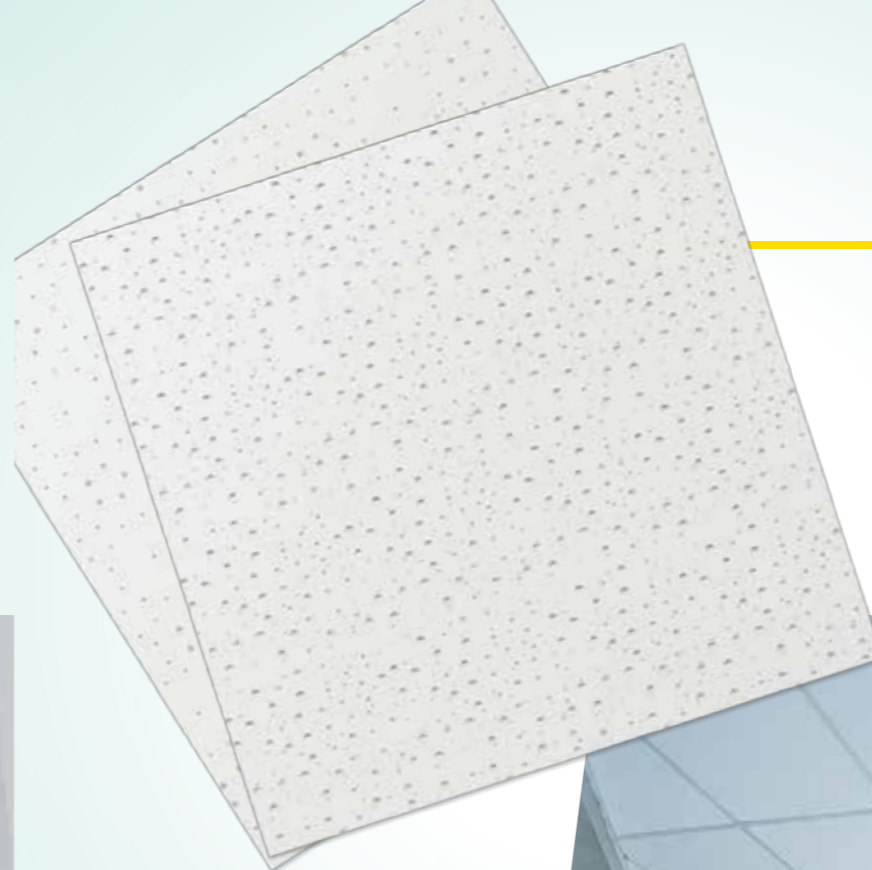
Natura Antimicrobial Moldstop



Suitable for

- School
- Restaurant
- Cafe
- Stores

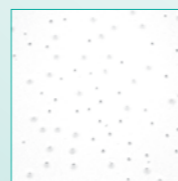
Location: High Scope School, Jakarta



Byhua



Star



Minatone



Suitable for

- Office
- Hospital
- Stores
- Shopping Center
- Hotel
- School

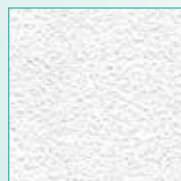
Lokasi: Museum Tsunami, Aceh



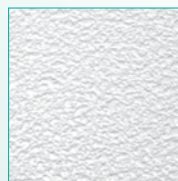
jayadura

jayadura is Ceiling Panel with vinyl finished surface.

- ✓ Easy to clean
- ✓ Higher Humidity performance
- ✓ Less Sagging
- ✓ Available on SE and TE



Condado



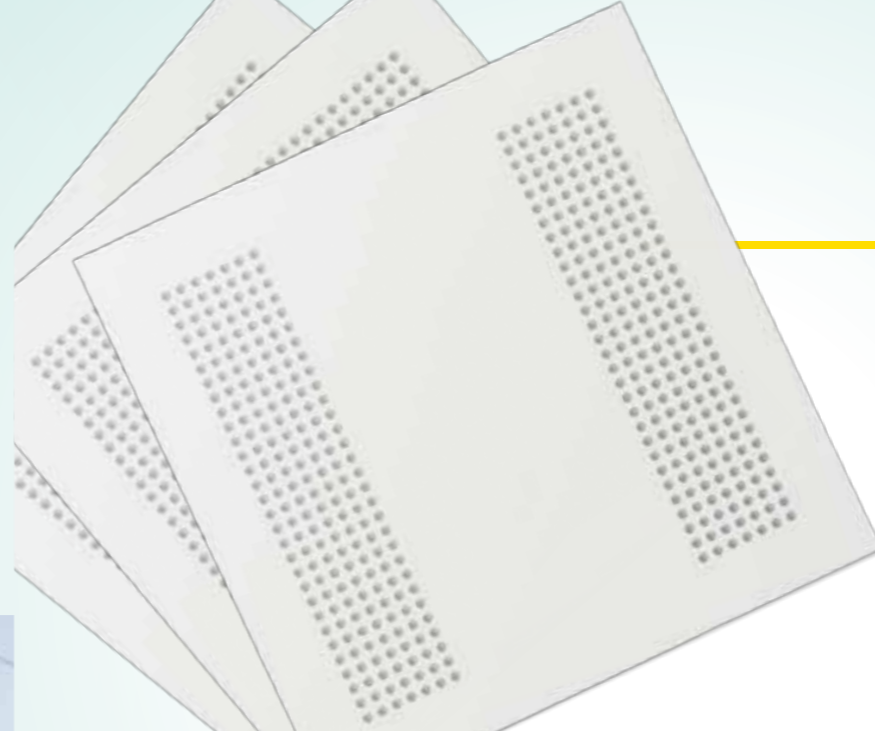
Shade

Suitable for

- Hospital
- Kitchen
- Toilet
- Factory
- Showroom
- Supermarket



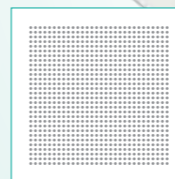
Lokasi: High Scope School, Jakarta



jayaakustik

jayaakustik is Ceiling Panel with painted/vinyl and perforated surface.

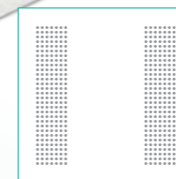
- ✓ Optimum sound absorbtion
- ✓ Less sagging compare to mineral fiber
- ✓ Available on SE and TE
- ✓ Available with painted/vinyl finishing



Sopran



Tenor



Alto

Better sound absorbtion

jayaakustik has better absorbtion for human range frequency with Noise Reduction Coefficient (NRC) 0.45.

Type	NRC without mineral wool
Sopran	0.45
Tenor	0.41
Alto	0.31

Tested PUSLITKIM - LIPI - Sopran - 2009

Suitable for

- Office
- Lobby
- Restaurant
- Meeting Room
- Cinema
- Music Studio
- Pub



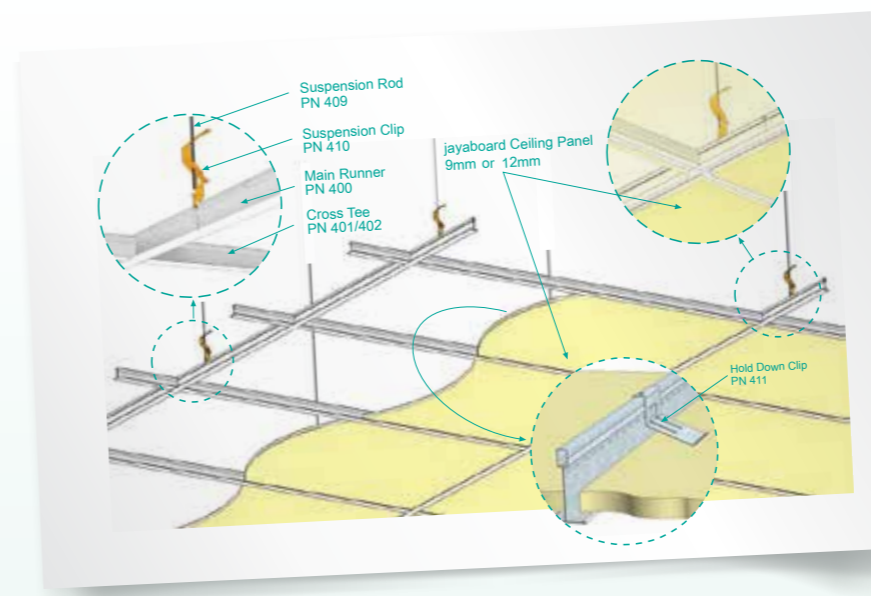
Location: Plaza Summarecon, Serpong

Application and Product Selector

Application						Product Specification					Performance & Price									
Office	School	Hospital	Leisure	Retail / Merchandise	Transportation/ Factory	Product Category	Finishing	Thickness (mm)	Panel Dimension	Edge Type	Color	NRC	Tahan Kelembaban	Humidity Performance*	Endurance	Maintenance	Weight (kg/m ²)	Light Performance**	Rp.	
●	●	●	●	●	●	1. jayadeko	Paint	9	600 x 600	9 mm	○	🔊	💧	≤2mm	🟢	++	6.2 (thickness 9mm)	87%	1 Rp.	
						1.1. Natura 1.2. Natura Anti-microbial Moldstop		12	1200 x 600	12 mm										7.5 (thickness 12mm)
●	●	●	●	●	●	2. jayatekstur	Texture	9	600 x 600	9 mm	○	🔊	💧	≤2mm	🟢	++	6.2 (thickness 9mm)	87%	2 Rp.	
						2.1. Byhua		12	1200 x 600	12 mm										7.5 (thickness 12mm)
						2.2. Star 2.3. Minatone		6,5	1200 x 600											
●	●	●	●	●	●	3. jayadura	Vinyl or Laminated	9	600 x 600	9 mm	○	🔊	💧💧	<1mm (with aluminium backing)	🟢	+++	6.2 (thickness 9mm)	84%	3 Rp.	
						3.1. Condado 3.2. Shade		8,9, 12	1200 x 600											
●	●	●	●	●	●	4. jayaakustik	Acoustic Perforation Vinyl or Painted	9	600 x 600	9 mm	○	🔊	💧	≤3mm	🟢	++	6.2 (thickness 9mm)	87%	4 Rp.	
						4.1. Sopran 4.2. Tenor 4.3. Alto		12	1200 x 600	12 mm										7.5 (thickness 12mm)

Note : ● Recommended
● Choose base on room function

* Test Reference : N - M03 - TDC - 011 - D
** Test Reference : PSB - 1850000290 - LMX



To achieve best performance, recommended to install jayapanel with Jayabms Ceiling System.

Installation Illustration

Standard Material:
ASTM C-1396 : Standard Specification for Gypsum Board

Standard Application:
ASTM C636 : Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels

System	Suspension Spacing (mm)	Framing Spacing		Maximum Load (kg/m ²)	Framing Lay out	
		Main Runner (mm)	Cross Tee (mm)		Diagram A	Diagram B
A	800	1200	600	11.0	[Diagram A: 1200x1200 grid]	[Diagram B: 1200x1200 grid]
	1000	1200	600	8.7		
	1200	1200	600	7.3		
B	800	1200	600/1200	11.0	[Diagram C: 1200x1200 grid]	[Diagram D: 1200x1200 grid]
	1000	1200	600/1200	8.7		
	1200	1200	600/1200	7.3		
C	800	1200	600/600	11.0	[Diagram E: 1200x1200 grid]	[Diagram F: 1200x1200 grid]
	1000	1200	600/600	8.7		
	1200	1200	600/600	7.3		
D	800	600	1200/staggered	21.9	[Diagram G: 1200x1200 grid]	[Diagram H: 1200x1200 grid]
	1000	600	1200/staggered	17.5		
	1200	600	1200/staggered	14.6		
E	800	600	1200	21.9	[Diagram I: 1200x1200 grid]	[Diagram J: 1200x1200 grid]
	1000	600	1200	17.5		
	1200	600	1200	14.6		
F	800	600	600	21.9	[Diagram K: 1200x1200 grid]	[Diagram L: 1200x1200 grid]
	1000	600	600	17.5		
	1200	600	600	14.6		

Note : MR = Main Runner
CT = Cross Tee
Max. Point Load : 31.5 Kg/point (TDC-TA-ID-0026-LoPa-130509-48)

Project References



Location:
UPI, Bandung (jayatekstur Byhua)



Locasion:
PT Suwito, Jakarta Office
(jayadura Condado)



Location:
Sekolah Kristen Gloria
(jayatekstur Byhua)

Project References



Location :
Pabrik Handuk, Bandung (jayadura
Condado)



Location :
Gedung BPK, Aceh (jayadeko Natura)



Location :
Prefab House Gandaria, Jakarta
(jayatekstur Byhua)

Project References

