

CELEBRETTO

LAY-IN METAL CEILING

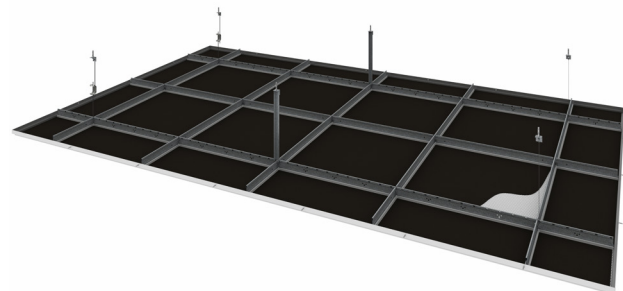


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Refer to Colors, Finishes and Perforation Patterns Leaflet

LAY-IN CEILING SYSTEM DRAWINGS



FEATURES & BENEFITS

- Durable and washable polyester powder finish
- Wide range of standard perforation patterns
- Wide range of optional wooden patterns
- Easy access for service maintenance
- Robust and easy to clean
- High sound absorption and sound attenuation
- Environmentally friendly and recyclable

APPLICATIONS

- Transportation & airports
- Educational
- Healthcare
- Hospitality & hotels
- Commercial buildings
- Hi-Rise & offices
- Financial & banking
- Malls & residential

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Perforated with Acoustical Fleece	0.25	0.65	0.80	0.60	0.60	0.65	0.65
Perforated with 19mm Soft Fiber Infill	0.65	0.85	0.8	1.0	1.0	1.0	0.9

*Calculated to ASTM C 423-01

LAY-IN METAL CEILING



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



HEALTHCARE APPLICATION

TABLE OF PERFORMANCE

Materials	Edge Detail	Pattern	Item	Size (mm)	NRC	CAC	Cost	
Aluminium		Plain	ALN-6006006R16	600*600*0.6	N/A	35-40	\$\$	
		Plain	ALN-6006007R16	600*600*0.7	N/A	35-40	\$\$\$	
		Plain	ALN-3003006R16	300*300*0.6	N/A	35-40	\$\$	
		Plain	ALN-3003007R16	300*300*0.7	N/A	35-40	\$\$\$	
		Plain	ALN-60012006R16	600*1200*0.6	N/A	35-40	\$\$	
		Plain	ALN-60012007R16	600*1200*0.7	N/A	35-40	\$\$\$	
		Plain	ALW-6006006R16	600*600*0.6	600*600*0.6	N/A	35-40	\$\$
		Plain	ALW-6006007R16	600*600*0.7	600*600*0.7	N/A	35-40	\$\$\$
		Plain	ALW-3003006R16	300*300*0.6	300*300*0.6	N/A	35-40	\$\$
		Plain	ALW-3003007R16	300*300*0.7	300*300*0.7	N/A	35-40	\$\$\$
		Plain	ALW-60012006R16	600*1200*0.6	600*1200*0.6	N/A	35-40	\$\$
		Plain	ALW-60012007R16	600*1200*0.7	600*1200*0.7	N/A	35-40	\$\$\$
		Perforated	ALPA1N-6006006R16	600*600*0.6	600*600*0.6	0.65-0.90		\$\$
		Perforated	ALPA1N-6006007R16	600*600*0.7	600*600*0.7	0.65-0.90		\$\$\$
		Perforated	ALPA1N-3003006R16	300*300*0.6	300*300*0.6	0.65-0.90		\$\$
		Perforated	ALPA1N-3003007R16	300*300*0.7	300*300*0.7	0.65-0.90		\$\$\$
		Perforated	ALPA1N-60012006R16	600*1200*0.6	600*1200*0.6	0.65-0.90		\$\$
		Perforated	ALPA1N-60012007R16	600*1200*0.7	600*1200*0.7	0.65-0.90		\$\$\$
		Perforated	ALPA1W-6006006R16	600*600*0.6	600*600*0.6	0.65-0.90		\$\$
		Perforated	ALPA1W-6006007R16	600*600*0.7	600*600*0.7	0.65-0.90		\$\$\$
		Perforated	ALPA1W-3003006R16	300*300*0.6	300*300*0.6	0.65-0.90		\$\$
		Perforated	ALPA1W-3003007R16	300*300*0.7	300*300*0.7	0.65-0.90		\$\$\$
		Perforated	ALPA1W-60012006R16	600*1200*0.6	600*1200*0.6	0.65-0.90		\$\$
		Perforated	ALPA1W-60012007R16	600*1200*0.7	600*1200*0.7	0.65-0.90		\$\$\$
Steel		Plain	SLN-6006006R16	600*600*0.6	N/A	35-40	\$\$\$\$	
		Plain	SLW-6006006R16	600*600*0.6	N/A	35-40	\$\$\$\$	
		Perforated	SLPA1N-6006006R16	600*600*0.6	0.65-0.90		\$\$\$\$	
		Perforated	SLPA1W-6006006R16	600*600*0.6	0.65-0.90		\$\$\$\$	



LAY-IN METAL CEILING

GRID PROFILE OPTIONS

DX/DXL SL Edge	DXT/DXF FL Edge	DXF FL Edge	DXI FL Edge
T24 LAY IN PANEL DETAIL 		T15 LAY IN PANEL DETAIL 	

ACOUSTIC PERFORMANCE*

A variety of sound absorbing backings are available. USG Middle East supply acoustic infills which can achieve sound absorption performance up to α_w 0.95. Consult USG Middle East technical team for further guidance.

MATERIAL DESCRIPTION	SOUND ABSORPTION		SOUND ATTENUATION	
	NRC	α_w	CAC	Dnfw
Plain	-	-	35-40	-
Perforated with Acoustical Fleece	0.65	0.65	-	14
Perforated with 15mm Mineral Fiber Infill	-	-	-	31
Perforated with 19mm Soft Fiber Infill	0.90	0.90	-	23
Perforated with 15mm Soft Fiber + 14mm Mineral Fiber + Aluminium foil	-	0.55	-	-
Perforated with 19mm Soft Fiber + 14mm Mineral Fiber + Aluminium foil	-	0.70	-	-
Perforated with 38mm Soft Fiber Infill	-	0.95	-	-
Perforated with 19mm Mineral Fiber Infill + Aluminium foil	-	0.55	31	-

INFILL OPTIONS**

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber

*NRC values for panels with factory applied acoustical backer.

**Additional acoustical backer options available for enhanced total acoustics NRC and CAC performance

SPECIFICATION DETAILS

Lay-in Metal Ceiling by USG ME meets the requirements in accordance with ASTM C635, ASTM C636, ASTM C423 and ASTM E84.

Material

Galvanized Steel
Aluminium
Stainless Steel

Thickness

0.5 to 1.4mm

Size

300 x 300mm,
600 x 600mm,
600 x 1200mm,

Edge Detail Trim

Reveal [SL, FL]

Noise Reduction Coefficient [NRC]

Plain: [N/A]
Perforated: [0.65-0.90]

Light Reflectance Coefficient [LR]

Based on the finish color, Up to 0.82

Color

Standard colors are RAL 9016, RAL9006 and RAL9010.
Other RAL colors are available upon request.
Wooden patterns are available upon request

Surface Burning Characteristics per ASTM E 84

Class A

Infill Options

Plain
Acoustical Fleece
Acoustical Fleece and Glass Wool
Acoustical Fleece and Mineral Fiber

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

Relevant LEED Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

ITEM CODIFICATION

Notice:

As we are involved in constant products development; this document information is subject to change without prior notice. Please always refer to usgme.com for the updated products information document.

ALPA1W-6006006R16

