

CELEBRETTO® LAY-IN METAL CEILING

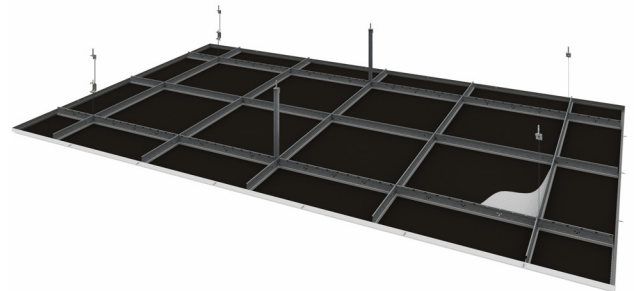


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Refer to Colors, Finishes
and Perforation
Patterns Section

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
- Commercial buildings
- Hi-Rise & offices
- Financial & banking
- Malls & residential
- Kitchen & dietary
- Laundry
- Utility rooms

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

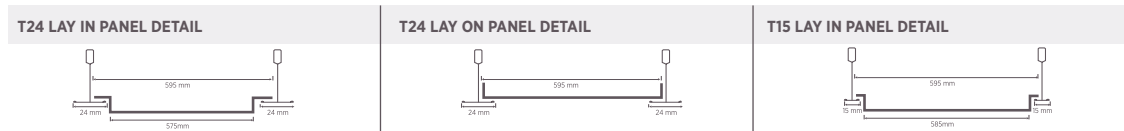
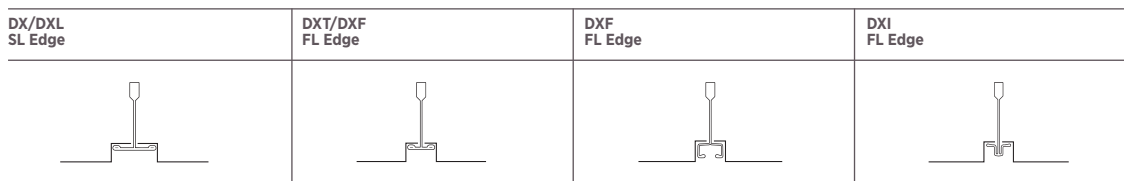
** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil

LAY-IN METAL CEILING



GRID PROFILE OPTIONS



SPECIFICATION DETAILS

Lay-in Metal Ceiling by USG ME meets the requirements in accordance with ASTM

E1264 Material Classification

Galvanized Steel: Type V

Aluminium: Type VII

Stainless Steel: Type VI

Pattern: A, C, G

Panel Size

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

Panel Thickness

0.5 to 1.4mm

Panel Height

10mm, 20mm

Edge Detail Trim

Reveal [SL, FL]

Light Reflectance Coefficient [LR]

Based on the finish color and perforation pattern, LR 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

ALPA1W-6006006R16



LAY-IN METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies metal ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC and 34dB CAC. Consult with the USG Middle East technical team for further guidance.

PATTERN	OPEN AREA%	CELEBRETTO® METAL CEILING INFILL OPTIONS	CAC	NRC
A1	20%	Acoustic fleece	-	0.75
A1	20%	19mm Soft Fiber infill	-	0.90
A1	20%	15mm Mineral Fiber infill	32	-
A1	20%	Acoustic fleece with 30mm Stone Wool & 19mm Mineral Fiber infill	32	0.90
A1	20%	Acoustic fleece with 25mm Glass Wool & 12mm Gypsum infill	30	0.85
A1	20%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	34	1.00
B2	16%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece	-	0.60
15D	22%	Acoustic fleece with 30mm Stone Wool & Aluminum Foil	30	0.80
15E	11%	Acoustic fleece	-	0.65
15E	11%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	27	0.80
7E	1%	Celebretto Metal Ceiling with acoustic fleece	-	0.65
7E	1%	Celebretto Metal Ceiling with acoustic fleece and 30mm Stone Wool & Aluminum Foil	26	0.90

- A1 Pattern: Diagonal Pattern, Hole Size Dia 1.8mm
- B2 Pattern: Even Pattern, Hole Size Dia 2.5mm
- 15D Pattern: Diagonal Pattern, Hole Size Dia 1.5mm

- 15E Pattern: Even Pattern, Hole Size Dia 1.5mm
- 7E Pattern: Even Pattern, Hole Size Dia 0.75mm

INFILL OPTIONS*

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.

Plain	Acoustic Fleece	Acoustic Fleece and Soft Fiber	Acoustic Fleece and Mineral Fiber

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

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