

Ultima™

ULTIMA, ULTIMA dB, ULTIMA OP, Ultima OP dB

Armstrong®
CEILING SOLUTIONS

Benefits

- A new smoother white surface with a range of acoustical performance options to suit your space and needs
- Improved durability with a complete range of edge details
- Sustainable Contribution
 - Global GreenTag^{CERT}™ GreenRate™ Level A Certified for Green Star™
 - Cradle to Cradle Certified™ Bronze for WELL Building Standard™ *
- TOTAL ACOUSTICS™ Performance (NRC+CAC)
 - High sound absorption for reduced reverberation and quieter spaces
 - High sound attenuation, improving room to room privacy
- Humiguard™ Plus RH99 Sag Resistance
- ISO 3 Clean Room Performance

27 NOVEMBER 2023

ULTIMA™



A Bright Green Solution

Reduce Environmental Impact



- ULTIMA Ceilings are Cradle to Cradle Certified™ Bronze, satisfying Features, of the WELL Building Standard™



- ULTIMA Ceilings are Global GreenTag^{CERT™} GreenRate™ Level A Certified, and recognised for credit as a "Sustainable Product" under the Green Star(R) Buildings v1.0 Rating Tool



- Ultima and Bioguard Acoustic panels meet Green Star (R) Buildings v1.0 as recognised for Credit 9: Responsible Finishes.

Also meets WELL v1.0 and 2.0 and recognised for various Features



- Ultima Ceilings have been third party certified by IBU (Institut Bauen und Umwelt e.V. (IBU) as conforming to the requirements of ISO 14025. Ultima Ceilings, with Product Specific EPD's satisfy Credit 9 "Responsible Finishes" in Green Star Rating Tools.
- High recycled content (up to 50%)
- Contact your Armstrong Ceilings representative for details on how ULTIMA will contribute to **GREEN STAR™**, **WELL**, **LEED®** and **BREEM®**

Enhance Indoor Environment



A+



E1



IACG



- Air quality:
Tested Low VOC "A+" with ISO 3 Clean Room performance
- Visual comfort:
Light reflectance 87%
- Acoustical comfort:
NRC up to 0.95

Energy Saving



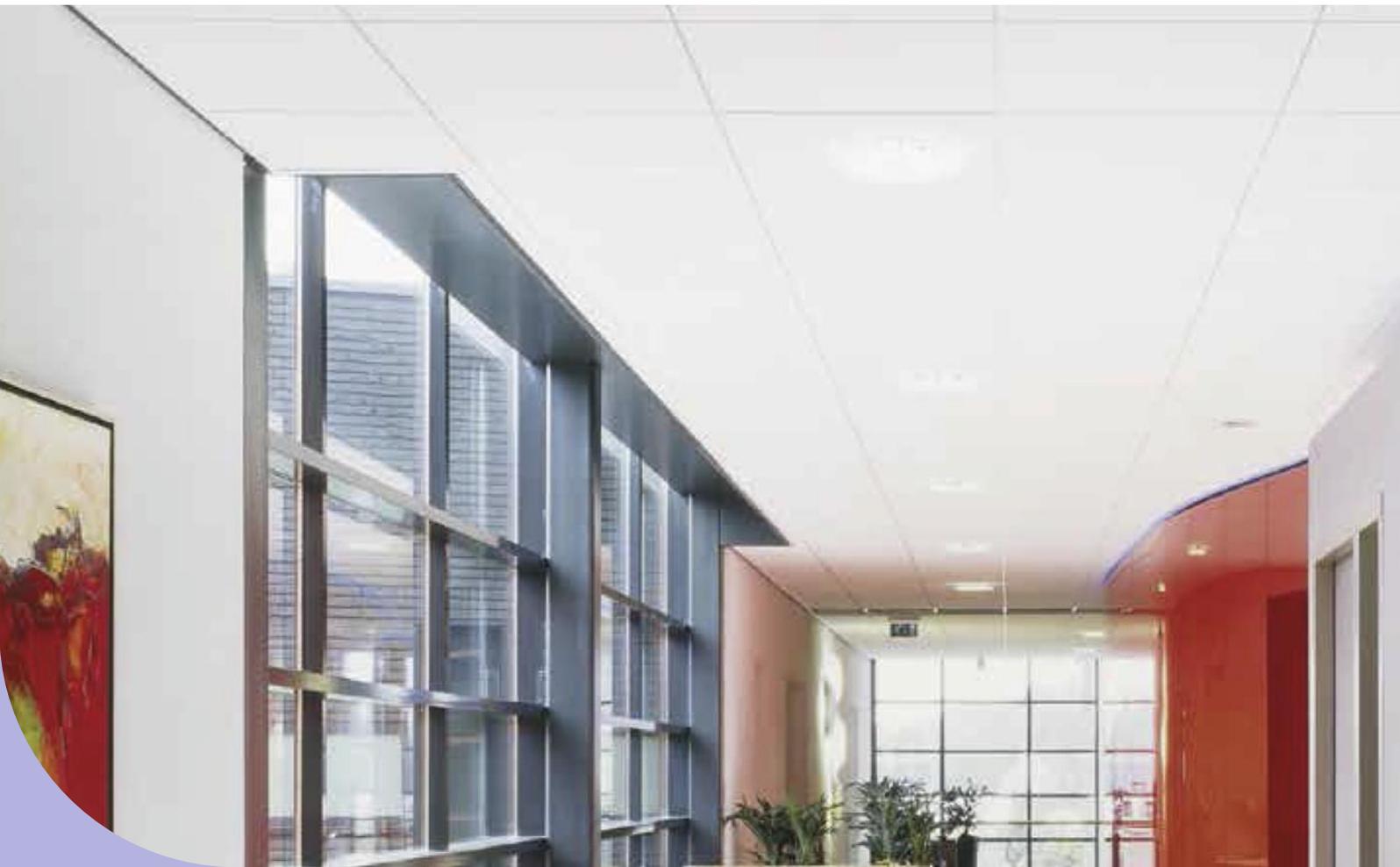
87% = 16%

Light Reflectance

Cost savings with indirect lighting**

* Conditions apply

**In accordance with the Brinjac Engineering Study, 2006



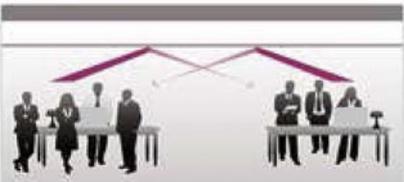
One visual with a complete range of TOTAL ACOUSTICS™ performance options to fit every space and need



ULTIMA Standard, OP, dB and OP dB have outstanding acoustical performance but with different core densities and panel thicknesses that enable you to engineer sound reduction and attenuation to meet different requirements.



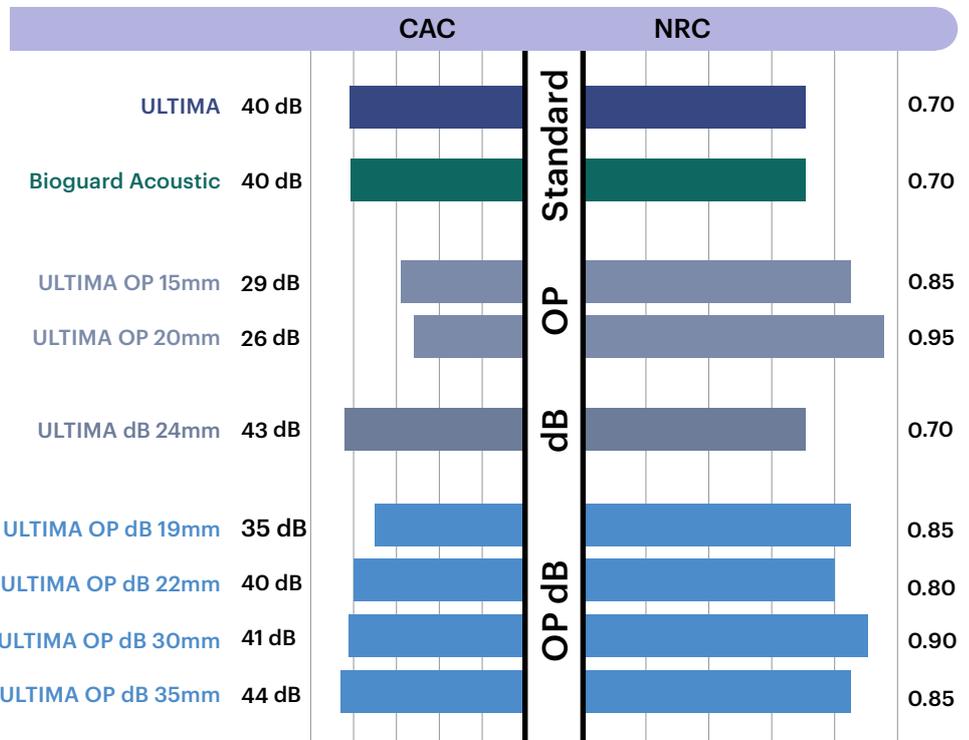
ULTIMA™ and ULTIMA OP dB ceilings provide the perfect **total acoustical balance**. High sound absorption combined with excellent sound attenuation make the product ideal for working and learning environments.



ULTIMA™ OP ceilings provide an excellent **sound absorption**. These products are ideal for open plan spaces where control of ambient noise is an important consideration.



ULTIMA™ dB ceilings provide Total Acoustical Performance, but with an emphasis on excellent levels of **sound attenuation**. The product is ideal for spaces where privacy between rooms or where noise from above the suspended ceiling are important considerations.



Energy Saving

	ULTIMA	ULTIMA OP	ULTIMA dB & ULTIMA OP dB
Office	Meeting rooms Conference rooms Corridors	Open plan offices Cafeterias	Individual offices
Education	Classrooms Corridors	Libraries Auditoriums	Individual offices
Healthcare	Administration Areas	Canteens Nurses stations	Consultation rooms Patient rooms
Transport	Waiting Areas	Lounges	
Retail & leisure	Department Stores Shops	Cinemas Theatres Restaurants	

Ultima™



RH99 Humidity Resistant



Scratch Resistant



Product Handling Durability



Cleanable



ISO 3 Clean Room ISO 14644-1



Anti mould and mildew



Very Low Emissions



Recycled Content EN ISO 14021



Light Reflectance



Acoustical Comfort

Panel Options	BOARD	TEGULAR 24	TEGULAR 15/90		K2C2 EDGE
	Prelude™ 24mm Grid	Prelude 24mm Grid	Suprafine™ 15mm Grid	Silhouette™ 15mm Grid	One Way / Modular Grid
600 x 600 x 19mm	1001	1003		1005	-
1200 x 600 x 19mm	1002	1004		1006	**
1200 x 300 x 19mm	**	1012		1013	**
1200 x 400 x 19mm	1035	1037		1015	1027*
1350 x 450 x 19mm	1036	1038		1016	1032*
1500 x 500 x 19mm	1011	1039		**	1033*

- Not available

* Item number for K2C2 Edge Panel for Top Hat Modular Grid

** Special items and other sizes available upon request

• Contact your local Armstrong Ceilings representative for stock availability



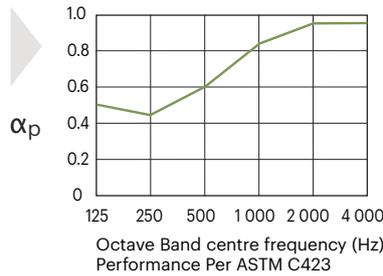
EN ISO 354 & EN ISO 11654

NRC 125 250 500 1000 2000 4000 Hz
0.70 0.30 0.35 0.65 0.95 0.95 1.00 α_p



EN ISO 10848-2 & EN ISO 717-1

CAC
40 dB



• NRC = 0.70



Humiguard™ Plus Sag Resistance (RH99% at 0°C - 49°C)
Refer to website for additional information



Conforms with NCC Spec. C1.10 as tested to AS 5637.1:2015 - Group 1, and ISO 5660 - Group 1 - S



Thermal Insulation (R- Value)
0.35 m²K/W



5 kg/m²

Material

Wet-formed mineral fibre with durable acoustically transparent membrane

Surface Finish

Factory applied acrylic paint

Backloading Recommendation

Contact your local Armstrong Ceilings representative

Suspension Systems

PeakForm™ Steel options above, with ARMSTRONG BLUE TONGUE® Aluminium upon request

Green Star™: Potential contribution Interiors v1.3 / Design & As Built v1.3

Indoor Environmental Quality				Materials	
Credit 9/10 ACOUSTIC COMFORT	Credit 10.2A/11.2A LIGHTING COMFORT SURFACE ILLUMINANCE	Credit 11.1B/12.1B VISUAL COMFORT: DAYLIGHT	Credit 12/13 INDOOR POLLUTANTS	Credit 21C-D/21C-D SUSTAINABLE PRODUCTS - "Level A" Third Party Certification Environmental Product Declarations	Credit 22/22 CONSTRUCTION AND DEMOLITION WASTE
✓	✓	✓	✓	✓	✓



Ultima™ dB



RH99 Humidity Resistant



Scratch Resistant



Product Handling Durability



Cleanable



ISO 4 Clean Room ISO 14644-1



Anti mould and mildew



Very Low Emissions



Recycled Content EN ISO 14021



Light Reflectance



Acoustical Comfort

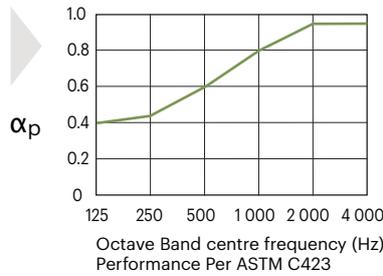
Panel Options	BOARD	TEGULAR 24	TEGULAR 15	K2C2 EDGE
	Prelude™ 24mm Grid	Prelude 24mm Grid	Suprafine™ 15mm Grid	One Way / Modular Grid
600 x 600 x 24mm	✓	✓	✓	-
1200 x 600 x 24mm	✓	✓	✓	✓

• Contact your local Armstrong Ceilings representative for stock availability • Special items and sizes available upon request



EN ISO 354 & EN ISO 11654

NRC	125	250	500	1000	2000	4000	Hz
0.70	0.40	0.45	0.60	0.80	0.95	0.95	α_p



TOTAL ACOUSTICS

• NRC = 0.70



EN ISO 10848-2 & EN ISO 717-1

CAC
43 dB

Note: Also available for special orders in 30mm thickness with CAC of 44dB



Humiguard™ Plus Sag Resistance (RH99% at 0°C – 49°C) Refer to website for additional information



Conforms with NCC Spec. C1.10 as tested to AS 5637.1:2015 – Group 1, and ISO 5660 – Group 1 – S



Thermal Insulation (R- Value) 0.44 m²K/W



8.4 kg/m²

Material
Wet-formed mineral fibre with durable acoustically transparent membrane

Surface Finish
Factory applied acrylic paint

Backloading Recommendation
Contact your local Armstrong Ceilings representative

Suspension Systems
PeakForm™ Steel options above, with ARMSTRONG BLUE TONGUE® Aluminium upon request

Green Star™: Potential contribution Interiors v1.3 / Design & As Built v1.3			
Indoor Environmental Quality			Materials
Credit 9/10 ACOUSTIC COMFORT	Credit 10.2A/ 11.2A LIGHTING COMFORT SURFACE ILLUMINANCE	Credit 11.1B/ 12.1B VISUAL COMFORT: DAYLIGHT	Credit 12/ 13 INDOOR POLLUTANTS
✓	✓	✓	✓
			Credit 21C-D/ 21C-D SUSTAINABLE PRODUCTS – "Level A" Third Party Certification Environmental Product Declarations
			Credit 22/ 22 CONSTRUCTION AND DEMOLITION WASTE
			✓



Ultima™ OP



RH99 Humidity Resistant



Scratch Resistant



Product Handling Durability



Cleanable



ISO 4 Clean Room ISO 14644-1



Anti mould and mildew



Very Low Emissions



Recycled Content EN ISO 14021



Light Reflectance



Acoustical Comfort

Panel Options	BOARD	TEGULAR 24/90	TEGULAR 15/90
	Prelude™ 24mm Grid	Prelude 24mm Grid	Suprafine™ 15mm Grid Silhouette™ 15mm Grid
600 x 600 x 15mm	1120G	1122G	1124G
1200 x 600 x 15mm	1121G	1123G	1125G
600 x 600 x 20mm	7682G	7678G	7685G
1200 x 600 x 20mm	7684G	7680G	7687G

Notes: 1. Special items and other sizes available upon request
2. For all items: Contact your local Armstrong Ceilings representative for stock availability



EN ISO 354 & EN ISO 11654

Thickness NRC 125 250 500 1000 2000 4000 Hz

15mm	0.85	0.55	0.75	0.75	0.90	0.95	1.00	α _p
20mm	0.95	0.50	0.80	0.95	0.95	1.00	1.00	α _p



EN ISO 10848-2 & EN ISO 717-1

CAC

29 dB (15mm)
26 dB (20mm)



Humiguard™ Plus Sag Resistance (RH99% at 0°C – 49°C)
Refer to website for additional information



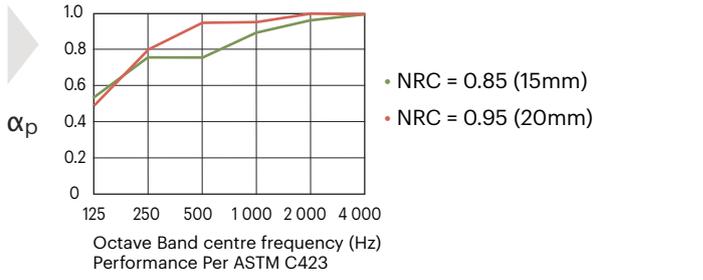
Conforms with NCC Spec. C1.10 as tested to AS 5637.1:2015 – Group 1, and ISO 5660 – Group 1 – S



Thermal Insulation (R- Value)
0.40 m²K/W



2.9 kg/m² (15mm), 3.5 kg/m² (20mm)



Material
Wet-formed mineral fibre with durable acoustically transparent membrane

Surface Finish
Factory applied acrylic paint

Backloading Recommendation
Contact your local Armstrong Ceilings representative

Suspension Systems
PeakForm™ Steel options above, with ARMSTRONG BLUE TONGUE™ Aluminium upon request

Green Star™: Potential contribution Interiors v1.3 / Design & As Built v1.3					
Indoor Environmental Quality				Materials	
Credit 9 / 10 ACOUSTIC COMFORT	Credit 10.2A / 11.2A LIGHTING COMFORT SURFACE ILLUMINANCE	Credit 11.1B / 12.1B VISUAL COMFORT: DAYLIGHT	Credit 12 / 13 INDOOR POLLUTANTS	Credit 21C-D / 21C-D SUSTAINABLE PRODUCTS – “Level A” Third Party Certification Environmental Product Declarations	Credit 22 / 22 CONSTRUCTION AND DEMOLITION WASTE
✓	✓	✓	✓	✓	✓



Ultima™ OP dB



RH99 Humidity Resistant



Scratch Resistant



Product Handling Durability



Cleanable



ISO 4 Clean Room ISO 14644-1



Anti mould and mildew



Very Low Emissions



Recycled Content EN ISO 14021



Light Reflectance



Acoustical Comfort

Panel Options	BOARD	TEGULAR 24/90	TEGULAR 15/90	K2C2 EDGE
	Prelude™ 24mm Grid	Prelude 24mm Grid	Suprafine™ 15mm Grid	Silhouette™ 15mm Grid
600 x 600 x 22mm	1180G	1182G	1184G	-
1200 x 600 x 22mm	1181G	1183G	1185G	✓
600 x 600 x 30mm	1160G	1162G	1164G	-
1200 x 600 x 30mm	1161G	1163G	1165G	✓

✓ Manufacture to order only
- Not Available

Notes: 1. Special items and other sizes available upon request
2. For all items: Contact your local Armstrong Ceilings representative for stock availability



EN ISO 354 & EN ISO 11654

Thickness NRC 125 250 500 1000 2000 4000 Hz

22mm 0.80 0.35 0.45 0.70 0.90 1.00 1.00 1.00 α_p

30mm 0.90 0.55 0.70 0.85 1.00 1.00 1.00 1.00 α_p

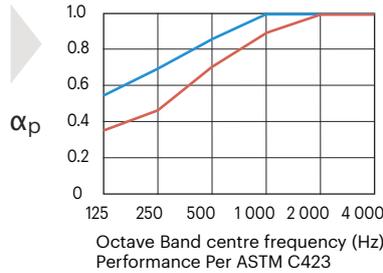


EN ISO 10848-2 & EN ISO 717-1

CAC 40 41

Thickness 22mm 30mm

Note: Available in 19mm with NRC 0.85 and CAC 35 dB and also 35mm with NRC 0.85 and CAC44 dB



- NRC = 0.80 (22mm)
- NRC = 0.90 (30mm)



Humiguard™ Plus Sag Resistance (RH99% at 0°C – 49°C)
Refer to website for additional information



Conforms with NCC Spec. C1.10 as tested to AS 5637.1:2015 – Group 1, and ISO 5660 – Group 1 – S



Thermal Insulation (R- Value)
0.36 m²K/W (22mm), 0.50 m²K/W (30mm)



5.8 kg/m² (22mm), 8.2 kg/m² (30mm)

Material
Wet-formed mineral fibre with durable acoustically transparent membrane

Surface Finish
Factory applied acrylic paint

Backloading Recommendation
Contact your local Armstrong Ceilings representative

Suspension Systems
PeakForm™ Steel options above, with ARMSTRONG BLUE TONGUE® Aluminium upon request

Green Star™: Potential contribution Interiors v1.3 / Design & As Built v1.3

Indoor Environmental Quality				Materials	
Credit 9 / 10 ACOUSTIC COMFORT	Credit 10.2A / 11.2A LIGHTING COMFORT SURFACE ILLUMINANCE	Credit 11.1B / 12.1B VISUAL COMFORT: DAYLIGHT	Credit 12 / 13 INDOOR POLLUTANTS	Credit 21C-D / 21C-D SUSTAINABLE PRODUCTS – "Level A" Third Party Certification Environmental Product Declarations	Credit 22 / 22 CONSTRUCTION AND DEMOLITION WASTE
✓	✓	✓	✓	✓	✓





An acoustical solution for all applications

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