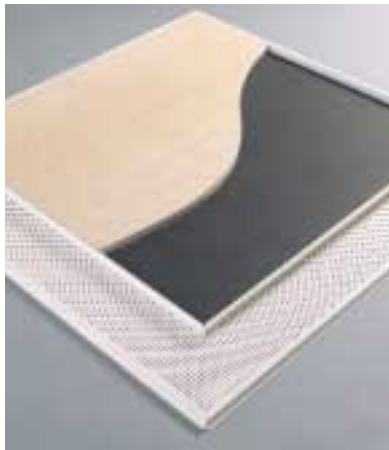


[ Between us, ideas become reality. ]

## ORCAL PREMIUM B15

Acoustically enhanced metal ceilings

Armstrong, one of the world's largest manufacturers of suspended ceiling systems, combines its mineral and metal tile technologies to create Orcal 'Premium' – high acoustic performance metal ceilings.



### Features

- Premium B15 is an acoustic infill solution for use with standard Orcal metal ceiling tiles.
- Specially developed 15mm thick Premium B15 infills optimise absorption performance with high room to room sound attenuation.
- Premium B15 mineral infills are factory fitted into Orcal metal tiles and supplied as a complete acoustic unit. With Orcal Premium B15, tiles are taken from the carton and fitted directly into the ceiling grid.
- Complete unit construction reduces 'pattern staining' associated with incorrectly fitted mineral wool type acoustic pads.



### Application

It is quite a common requirement for acoustic suspended ceilings to control sound in different ways in different parts of a building. In general, ceilings in open plan areas are required to be of a porous nature to absorb sound, whereas ceilings over cellular partitioned offices need to be of a much higher mass to prevent the transmission of sound from

one room to the next. It is a difficult combination to achieve in one single product.

Now, Orcal Premium B15 enhances acoustic metal ceiling capabilities by blending high sound attenuation and absorption performances in one simple, cost effective infill solution.

# ORCAL PREMIUM B15

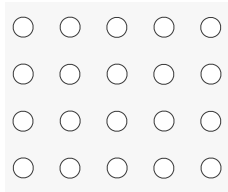
## ORCAL ITEMS WITH PREMIUM B15 INFILL

	Clip-In 5mm Bevel	BP 9308 M BP 9337 M	600 x 600 mm 600 x 600 mm	Standard Perforation Microperforation
	Clip-In 3mm Bevel (Type S)	BP 2064 M BP 2073 M BP 2082 M	600 x 600 mm 600 x 600 mm 600 x 600 mm	Standard Perforation Microperforation Extra Microperforation
	Clip-In 3mm Bevel Swing Down (Type S)	BP 2092 M BP 2093 M	600 x 600 mm 600 x 600 mm	Standard Perforation Microperforation
	Board	BP 9335 M BP 9427 M	600 x 600 mm 600 x 600 mm	Standard Perforation Microperforation
	Tegular 24/16	BP 9681 M BP 9682 M	600 x 600 mm 600 x 600 mm	Standard Perforation Microperforation
	Tegular 24/8	BP 9684 M BP 9685 M	600 x 600 mm 600 x 600 mm	Standard Perforation Microperforation
	Flush Tegular	BP 9443 M BP 9444 M	600 x 600 mm 600 x 600 mm	Standard Perforation Microperforation
	MicroLook 15/16	BP 4701 M BP 4702 M	600 x 600 mm 600 x 600 mm	Standard Perforation Microperforation
	MicroLook 15/8	BP 9339 M BP 9324 M BP 2184 M	600 x 600 mm 600 x 600 mm 600 x 600 mm	Standard Perforation Microperforation Extra Microperforation

For other size / item possibilities, including **Axal**, please contact Armstrong Internal Technical Sales.

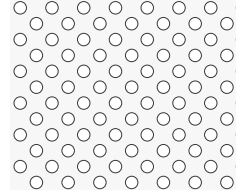
### Standard Perforation

2.5mm dia. holes  
16% open area



### Microperforation

1.5mm dia. holes  
22% open area

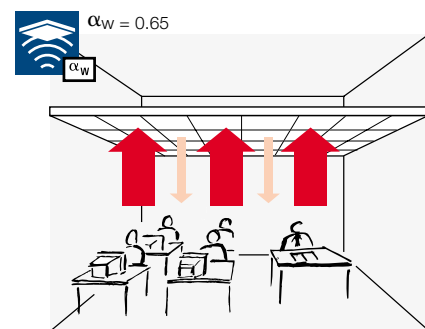
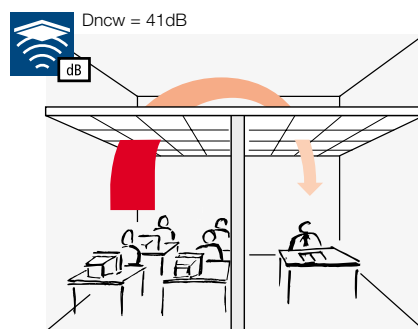


### Extra Microperforation

0.7mm dia. holes  
1% open area



Visually Premium B15 has a black appearance through the perforations.



Perforation Pattern	Room-to-Room Sound Attenuation		Sound Absorption	
	Dncw		$\alpha_w$	NRC
Plain	47dB		0.10(L)	0.10
Standard Perforation	41dB		0.60(H)	0.60
Microperforation	41dB		0.60(H)	0.60
Extra Microperforation	40dB		0.65	0.60

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