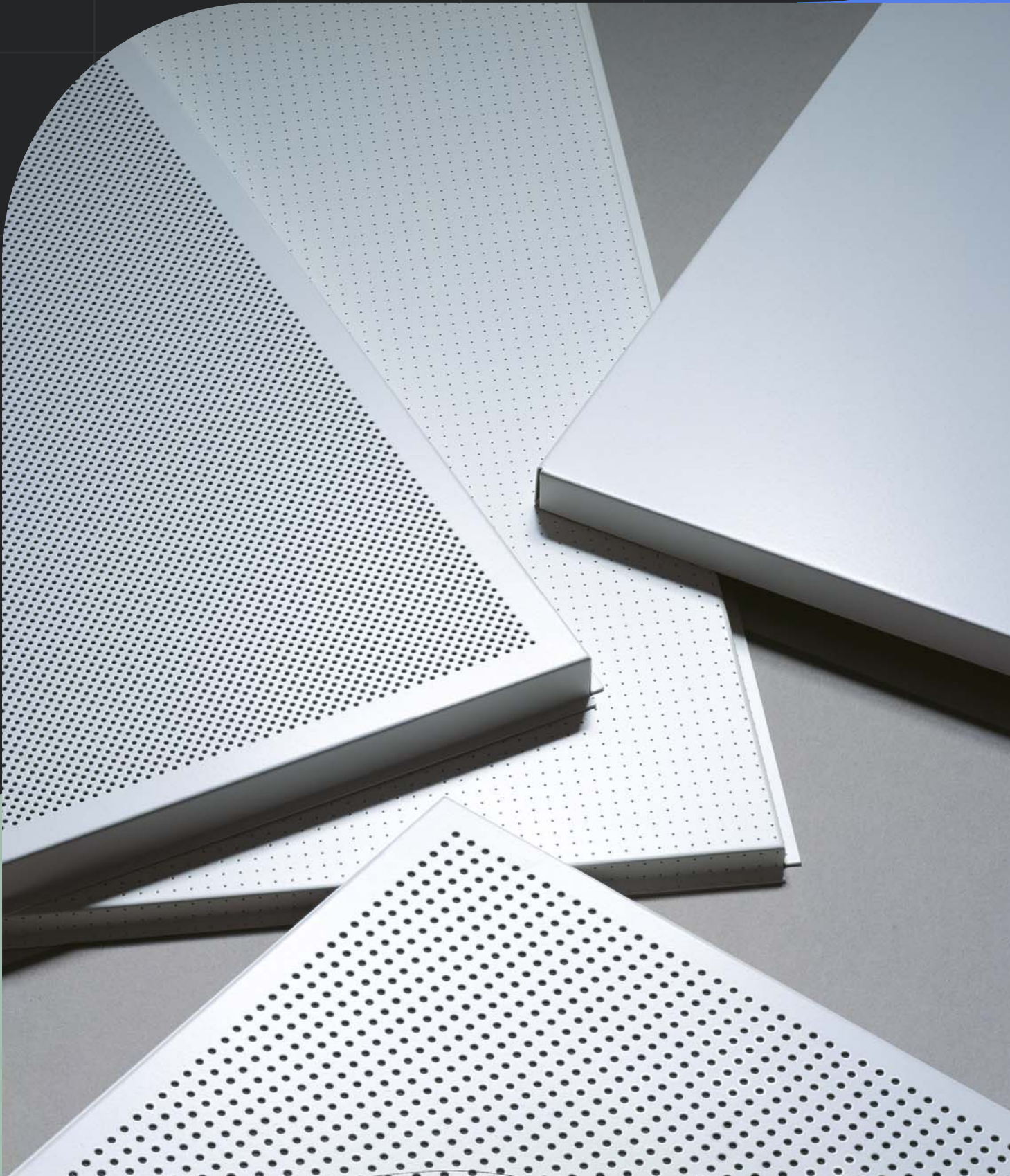


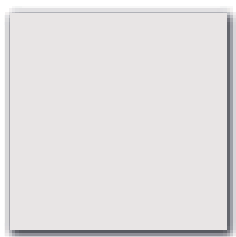
# Metalworks Perforations Catalogue

**Armstrong®**  
CEILING SOLUTIONS

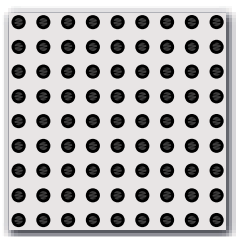
METALWORKS



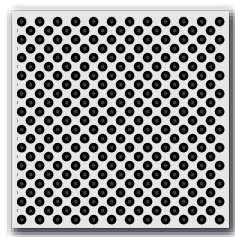
# Standard Perforation Patterns



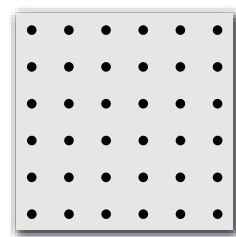
**M1 Plain Non Perforated**



**M10 Perforated**  
Hole diameter: 2.5mm  
Open area: 16%



**M2 Micro Perforated**  
Hole diameter: 1.5mm  
Open area: 19%



**M9 Straight Micro Perforated**  
Hole diameter: 1.5mm  
Open area: 9.6%

## Acoustical Solutions



### Acoustic Fleece

For most general open plan areas, non-woven acoustic fleece provides a good level of absorbent performance. The acoustic fleece fitted to Armstrong metal ceiling tiles is heat bonded to the rear of the tile and optimises flow resistance characteristics for the best absorption results.



### Premium B15 and B19 TOTAL ACOUSTICS

Specifically developed by our mineral ceilings division for use with the Armstrong METALWORKS products, Premium B 15 and B19 are TOTAL ACOUSTICS infill solutions that combine high absorption (NRC) + high sound attenuation (CAC) performance.

### Typical sound absorption values

NRC up to 0.75 with Acoustical Fleece

NRC up to 0.60 with "B15" Mineral Acoustic Infill

NRC up to 0.70 with "B19" Mineral Acoustic Infill

NRC up to 0.90 with 15mm Glasswool Acoustical Infill

### Typical sound attenuation values

CAC up to 18dB with Acoustical Fleece

CAC up to 38dB with "B15" Mineral Acoustical Infill

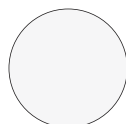
CAC up to 40dB with "B19" Mineral Acoustical Infill

$NRC + CAC = \text{Total Acoustics Performance}$

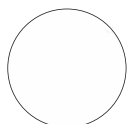
## Colour

### Powder Coat Finish

Electro-statically applied and oven cured, powder coat finishes have a greater film thickness than wet paint applications or products manufactured from pre-painted steel coil, and give a more durable and impact resistant surface.



Global White



Satin White



Wood Effects available



It is recommended that colours are selected from Interpon or Dulux Powder Coat range

Note: Due to printing limitations, shades may vary from actual product.

## Light Reflectance

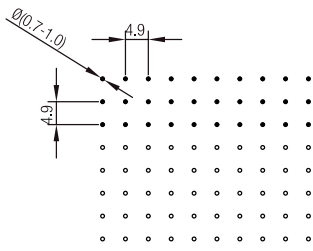
### Pattern Satin White Global White

M1 Plain Non Perforated	85%	75%
M3 Extra Micro Perforated with black acoustic fleece	80%	70%
M10 Perforated with black acoustic fleece	70%	65%
M2 Micro Perforated with black acoustic fleece	65%	60%

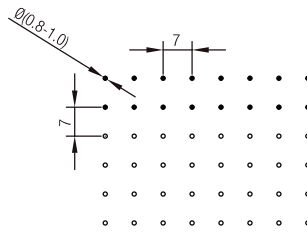
Measured in accordance with EN ISO 7742-2 and EN ISO 7742-3.



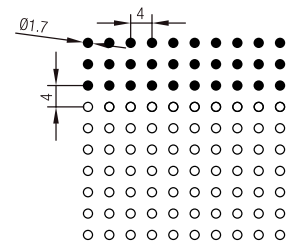
# Armstrong MetalWorks Perforation Patterns



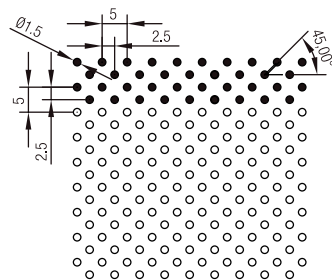
**Rg0702** | Open Area 2.00%



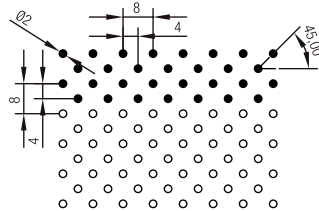
**Rg0801** | Open Area 1.60%



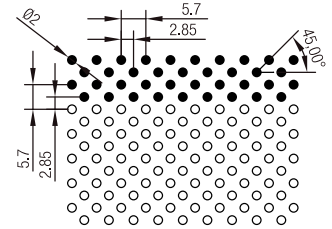
**Rg1714** | Open Area 14.00%



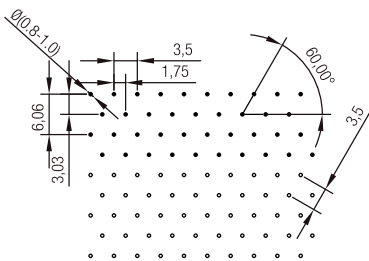
**Rd1514** | Open Area 14.20%



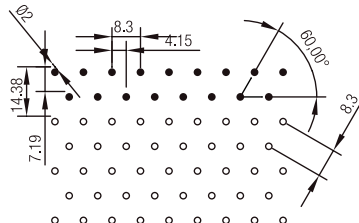
**Rd2010** | Open Area 9.90%



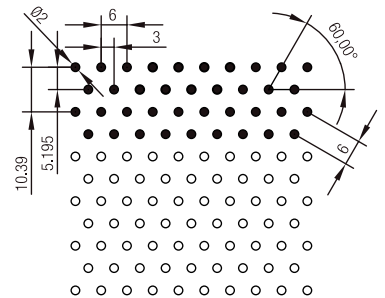
**Rd2019** | Open Area 19.40%



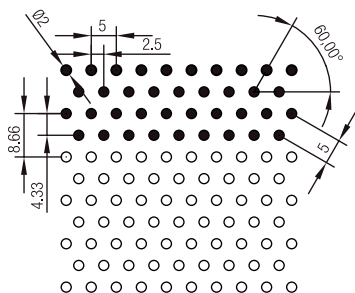
**Rv0807** | Open Area 7.00%



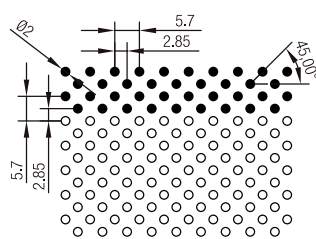
**Rv2005** | Open Area 5.30%



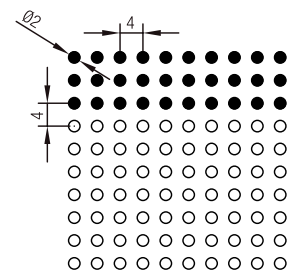
**Rv2010** | Open Area 10.00%



**Rv2015** | Open Area 14.50%



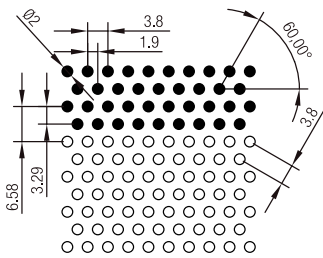
**Rd2019** | Open Area 19.40%



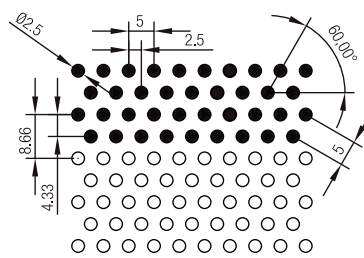
**Rg2020** | Open Area 19.60%



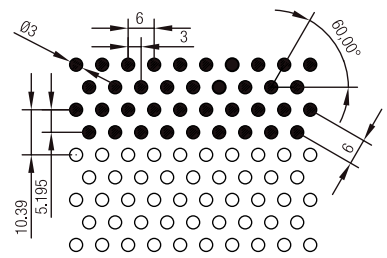
# Armstrong MetalWorks Perforation Patterns



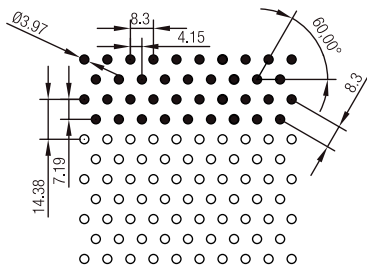
**Rv2025** | Open Area 25.10%



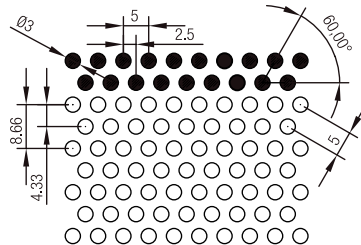
**Rv2523** | Open Area 22.70%



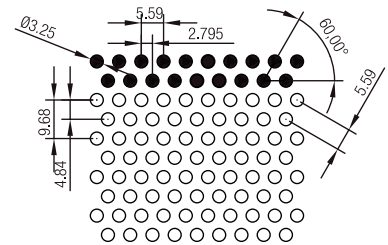
**Rv3023** | Open Area 22.70%



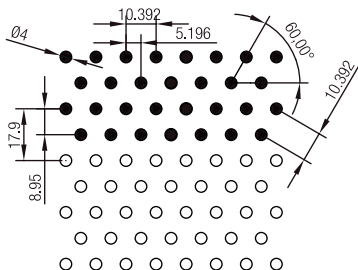
**Rv3921** | Open Area 20.80%



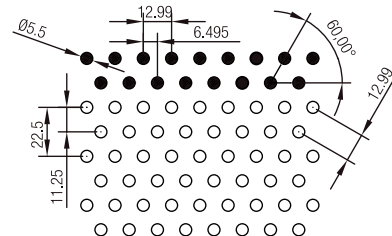
**Rv3033** | Open Area 32.70%



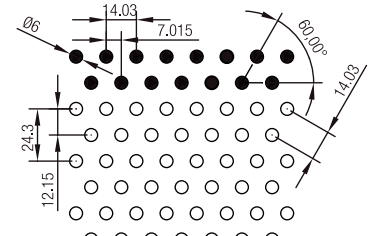
**Rv3231** | Open Area 30.70%



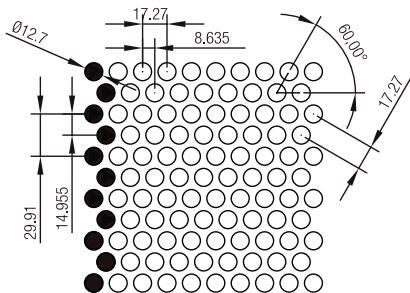
**Rv4013** | Open Area 13.40%



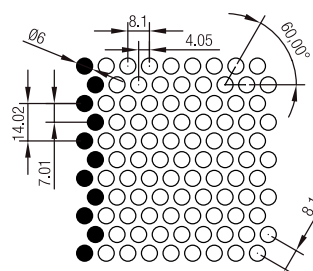
**Rv5516** | Open Area 16.30%



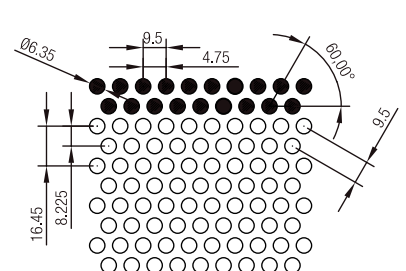
**Rv6017** | Open Area 16.60%



**Rv1249** | Open Area 49.00%

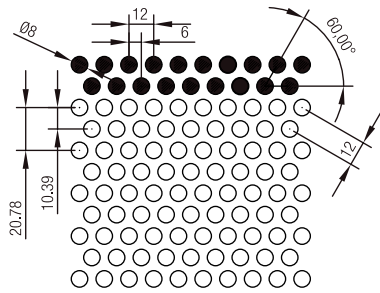


**Rv6050** | Open Area 49.80%

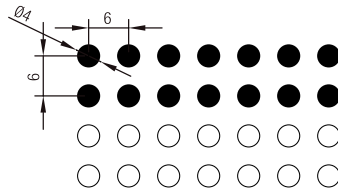


**Rv6340** | Open Area 40.50%

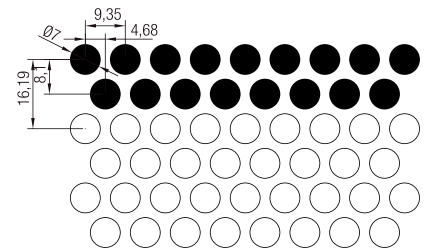
# Armstrong MetalWorks Perforation Patterns



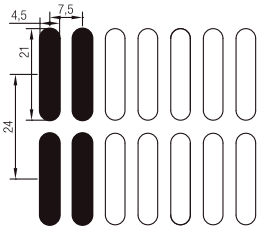
**Rv8040** | Open Area 40.30%



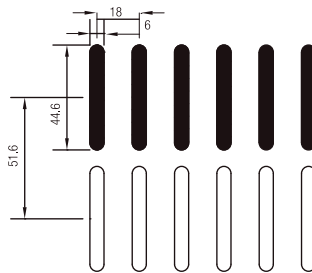
**Rg4035** | Open Area 34.90%



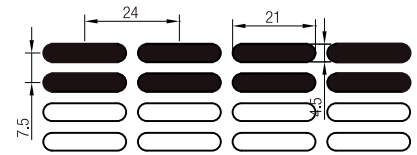
**Rv7051** | Open Area 50.80%



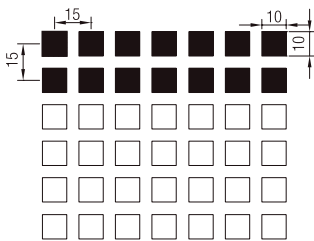
**Lg5050** | Open Area 50.00%



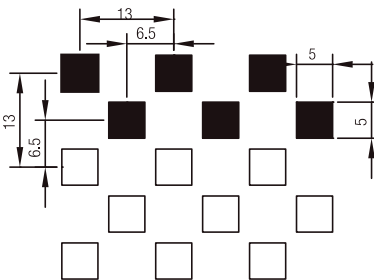
**Lg6028** | Open Area 28.00%



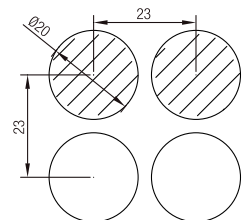
**Lg21050** | Open Area 50.00%



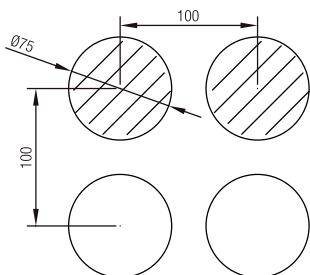
**Qg1044** | Open Area 44.40%



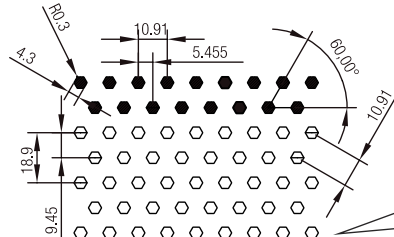
**Qv5029** | Open Area 29.60%



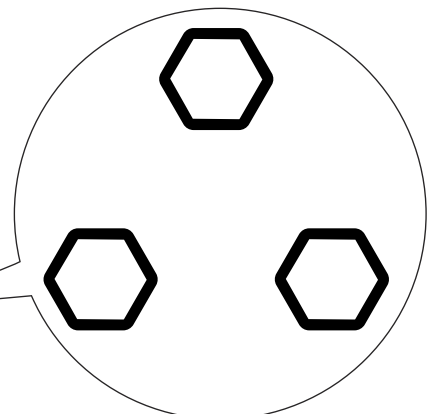
**Rg2053** | Open Area 52.90%



**Rg7544** | Open Area 45.00%



**Rg4313** | Open Area 13.00%



# Perforation Coding Rule

R	- d	- 20	- 19
Hole	Pattern	Dia of hole (mm)	Open area %
R: round	g: straight	2=20	19.4=19
Q: square	d: staggered (45 degree Angle)	0.7=07	50.8=51
L: oval	v: staggered (60 degree Angle)	2.5=25	(Rounding principle)
P: hexagon		3.25=32 ø4.5X21=21	

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