

**Round Vents**

EMCEMI manufactures a wide range of circular honeycomb vents. With the same performance and characteristics of our rectangle and square honeycomb vents. We can supply in the following format:

- Aluminium/Steel or Plastic material
- Smallest overall diameter is 50mm and as large as your requirement
- Range of thicknesses from 6.35mm to 50mm thick
- Choice of either EMC or Environmental gaskets or both
- Choice of finishes available



**Specification**

Material Property	Value
Aluminium Frame	6063-T6
Aluminium Honeycomb	5052 grade
Monel Wire	BS3075 NA13
Neoprene Sponge	Mil-R-6130 Type 11 grade A condition soft
Beryllium Copper	alloy 25 (CA172)
Silicone Rubber	ZZ-R-765 Class 2 Grade 40
Aluminium Wire	5056

**How to order**

Vent Style	Honeycomb style	
EMC1R	1 - Two Layers (Cris Crossed) @ 6.35mm thick per layer 2 - Single Layer 3 - 30 degree (One layer straight though 2nd layer @ 30 degrees) 4 - 45 degree (One layer straight though 2nd layer @ 45 degrees) 5 - 60 degree (One layer straight though 2nd layer @ 60 degrees)	
Overall Size	Fixings	Fixing type
XXXX-XXXX	XXX	1 - Insert (Capitive) 2 - Through Hole
Finish	Gasket	
1 - Alocrom 1200 2 - Surtec 650 3 - Nickel Plated 4 - Tin Plated 5 - Painted	1 - Knitted Wire Mesh and Neoprene Sponge (EMC/EMI Shield and Environmental IP67)	

For Example: EMC1I- 2500x2500-15-2-1-2 =  
Aluminium Honeycomb Vent – 2 Layers of Honeycomb – 250mm x 250mm square with 15 holes and finished in Alocrom 1200 with a knitted wire mesh and neoprene gasket.

**Shielding Effectiveness - Type EMC1R**

Frequency	Attenuation	Field
10KHz	45	H
100KHz	49	H
1MHz	51	H
1MHz	>100	E
10MHz	>100	E
100MHz	>100	E
1GHz	98	P
10GHz	95	P

Figures for type EMC1 - 2 layers 6.3mm thick honeycomb, 3.2mm cell size at 90° (cross pole) with Alocrom 1200 finish. 285(modified).