

Bonded Activated Carbon Panels

These filter panels are manufactured for ease of installation and incorporation into ducted air systems. Their use is flexible so can be used on both air supply, to filter/purify incoming air, and used when air is being extracted to remove toxic gasses and odours generated within a process.

Ideal for absorbing odours and fumes and used in many types of environment including for spray booths, product preparation areas, kitchens, garages and many areas within medical facilities. Our panels are available in depths from 1 - 6 inches (12mm - 150mm) with our standard thickness of 1 or 2 inch.

CONSTRUCTION

Our panels are manufactured using well established bonding techniques which hold the activated carbon granules within a rigid biscuit form which is then encapsulated within a carbon impregnated cloth which prevents any possible leakage of granules or powder.

This method of construction ensures that the panels will remain structurally sound and rigid even if wet. For panels with a depth over 45mm, we create a panel using 2 thin biscuits that form the two outside faces and filling the void between with activated granules. This method allows us to use special grades and combinations of formulated carbon to suit different environments.

STOCK GRADES OF CARBON

- 1 - Good general carbon grade suitable for many applications
- 2 - Copper coated carbon for use in museums and archives
- 3 - For enhanced garlic odour removal
- 4 - School grade for acid gasses and SO₂ HCL NO₂ H₂S
- 5 - Ammonia
- 6 - Mortury grade, formaldehyde removal
- 7 - Caustic, pottasium hydroxide removal
- 8 - Special formulation for sewage odour removal

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STANDARD SIZES & CAPACITIES

Size (inches)	Weight of Carbon (kg)	Capacity m3 per Hour		Dimensions and Weight (mm/kg)		
		0.1s dwell	0.2s dwell	Height	Width	Depth
12x12x1	0.77	55	28	292	292	20
15x15x1	1.22	88	44	368	368	20
18x18x1	1.78	128	64	445	445	20
20x20x1	2.21	159	79	495	495	20
24x24x1	3.18	229	114	594	594	20
12x12x2	1.73	124	62	292	292	45
15x15x2	2.74	197	99	368	368	45
18x18x2	4.01	289	144	445	445	45
20x20x2	4.96	357	179	495	495	45
24x24x2	7.14	514	257	594	594	45
12x12x4	3.65	262	131	292	292	95
15x15x4	5.79	417	208	368	368	95
18x18x4	8.47	610	305	445	445	95
20x20x4	10.47	754	377	495	495	95
24x24x4	15.08	1086	543	594	594	95
12x12x6	5.76	414	207	292	292	150
15x15x6	9.14	658	329	368	368	150
18x18x6	13.37	962	481	445	445	150
20x20x6	16.54	1191	595	495	495	150
24x24x6	23.82	1715	857	594	594	150