



**MN SPRAYBOOTH**  
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# Filters


## 3D POLYCOMB PAINT POCKET EXHAUST FILTER


**MN Paint Pockets are perfect for filtration in:**  
SPRAY BOOTHS  
PREPARATION BAYS  
SPRAY OUT BOXES  
EXTRACTION UNITS


**MN Paint Pockets are available as:**  
ROLLS OR CUT TO SIZE




3D Polycomb Paint Pocket Exhaust Filters are the most environmental and cost effective arrestor available. The filters prevent overspray pass through to a high efficiency and the cell structure has a high holding capacity.

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**Low run off**  
3D Polycomb Paint Pockets not only remove overspray from your booth's exhaust air stream, its pockets assist in retaining overspray within the arrestor. Reduced run-off means less booth floor clean-up and faster filter changes.
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**Stable Air Flow**  
Its unique pockets enable 3D Polycomb Paint Pockets to accumulate large amount quantities of overspray before it begins to restrict booth airflow.
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**Cost Effective**  
3D Polycomb Paint Pockets have a 99.8% efficiency. This is the highest capture rate of any exhaust filter, meaning, your extraction fans are damage free, preventing costly repair.
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**Environmentally Friendly**  
Through its high capture rate and efficiency, paint pocket filters are the most environmentally friendly option for exhaust filter. Preventing paint particles from being exhausted into the atmosphere is essential under accordance with the EPA and AS/NZS 4114 regulations.

Thickness: 20mm | Efficiency: 99.8% | Holding capacity: 28kg/m<sup>2</sup>

 **Proudly owned and manufactured in Australia.**  
MN Spraybooths are the only Australian manufacturer certified by AMAG.

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# 3D POLYCOMB PAINT POCKET EXHAUST FILTERS

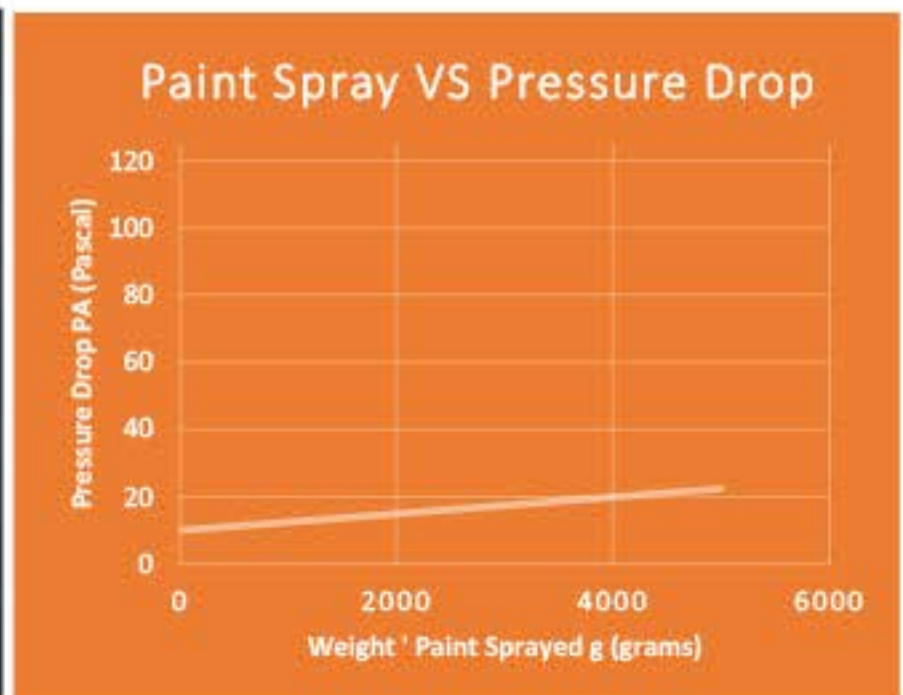
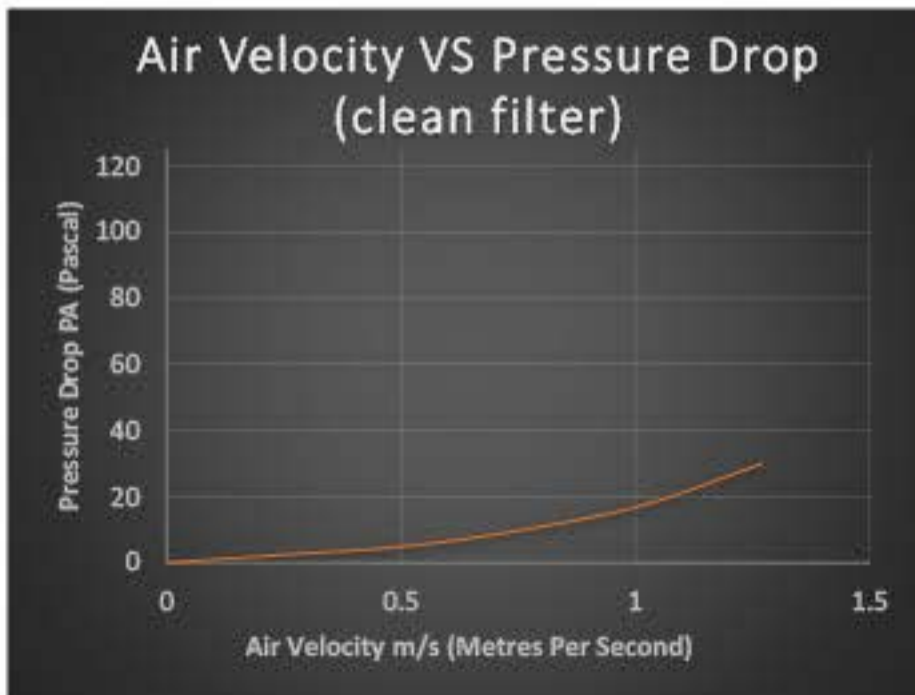
## DATA SHEET

### Technical Data

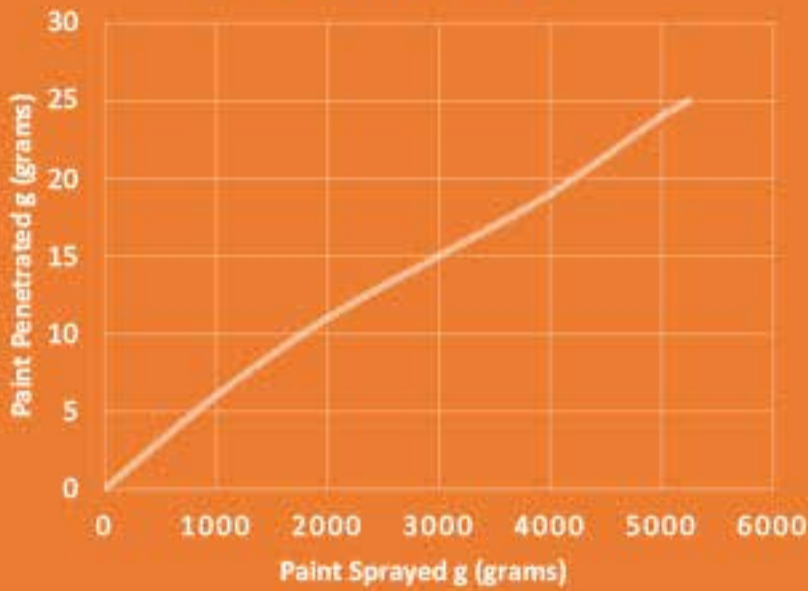
Material	Polyester			
Thickness (millimetres)	20mm			
Average Arrestance (%)	99.8%			
Fractional Arrestance Efficiency (microns)	@ 20µm	@ 10µm Microns	@ 5µm Microns	@ 2.5µm Microns
	100%	99.8%	85%	4%
Nominal Velocity (m/s)	3.5 m/s			
Initial Pressure Drop (@0.5m/s)	12 Pa			
Maximum Pressure Drop (@0.05m/s)	250 Pa			
Dust Holding Capacity (kg/sqm)	28 kg/sqm			

### Test Information

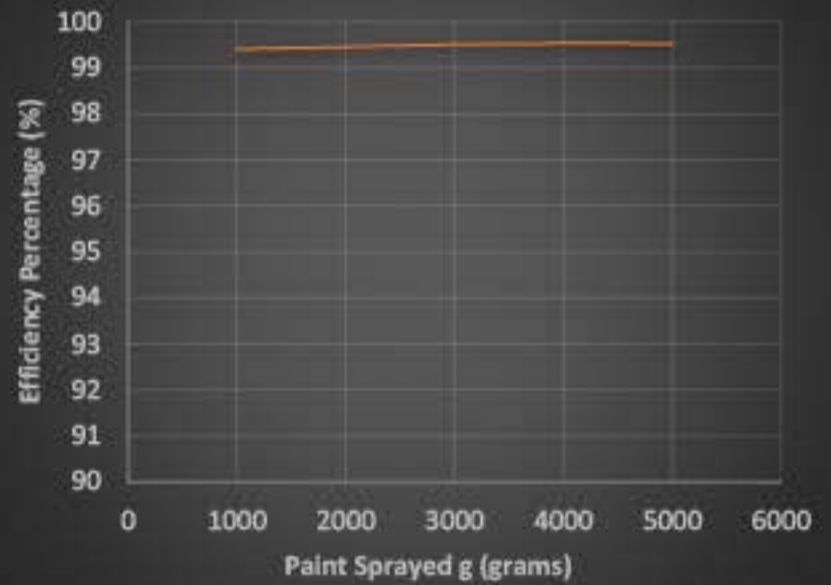
Filter	3D Polycomb Paint Pocket 10cm <sup>2</sup>	
Paint	Enamel – High Solid (Baking) Permaclad 2400 (red)	
Spray Paint Method	Spray Gun	Conventional at 2.75 bar (40 PSI)
	Spray Feed Rate	136 grams/ minute (130cc/min)
	Air Velocity	0.76 metres/ second



### Arrestance Rate



### Efficiency Rate



**NOTE: 2 BAR = 200,000 PA (PASCAL) = 36 PSI (POUNDS PER SQUARE INCH)**

### Test Results

Initial Pressure drop – clean filter	9.9 Pascal (PA)
Final pressure drop – loaded filter	24.8 Pascal (PA)
Weight gain of test filter & run off tray	4354 grams (g)
Paint Holding capacity	2908 grams (g)
Paint Run off	1446 grams (g)
Weight Gain on control (secondary) filter	24.9 grams (g)
Average Arrestance (%)	99.4%

**ALL DATA IS AN INDICATIVE AVERAGE WITH STANDARD PRODUCTION AND TESTING TOLERANCES. WE RESERVE THE RIGHT TO CHANGE PERFORMANCE DATA AT ANY TIME AND WITHOUT NOTICE.**