

PODZ Horizon Integrated Odour Control Cover

PODZ Horizon is a patented bespoke reinforced geomembrane with integrated activated carbon filters, to cover tightly and reduce odour emissions of liquid tanks and other odorous surfaces. The PODZ Horizon can be of any shape or size and include access doors or viewing ports as needed.

The specifically engineered activated carbon filters allow the gases to flow freely through the the filters out of the basin. Gas specific filters are also available (H_2S , NH_3) and can be mixed and matched for site specific odour control.

Advantages

Cost Effective

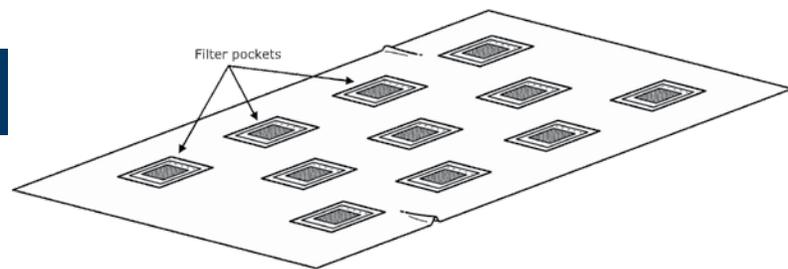
-  Best price per m² (ft²) on the market
-  Tailor made to fit any basins
-  No energy required
-  Eliminate the use of chemicals
-  Simple filter replacement
-  Cover and treat at the same time

Tough and Effective

-  UV-Resistant
-  Highly chemically resistant
-  Superior tensile strength
-  Generic and/or gas specific filters
-  Typical odour reduction of 90-95%

Business as Usual

-  Easy access to service the basin
-  Unaffected by aeration, liquid level changes
-  Aerobic conditions are maintained
-  No dangerous gas build-up
-  No rain water accumulation





Technical Details

The PODZ Horizon is tailored fit to any size or shape. One year warranty against any manufacturing defects. The membrane itself has an expected lifetime of over 10 years.

The lifetime of the filters is directly dependent on the emissions (type, concentration, rate, etc.). Typical filter lifetime is 9 to 18 months.

Membrane (without filters)

Weight	1015 g/m ² (0.21 lb/ft)
Thickness	0.76 mm (1/32")
Tear Strength	245 N (55 lb) min.
Breaking Yield Strength	2448 N (550 lb) min.
Puncture Resistance	1550 N (350 lb) min.
Temperature Resistance	-34°C to 100°C (-29°F to 212°F)

Filter (activated carbon LL20)

Weight	1500 g/m ² (~0.31 lb/ft ²)
Wet-weight (H ₂ O)	< 4500 g/m ² (<107 lb/ft ²)
Thickness	20 mm (13/16")
Carbon Content	≥ 900 g/m ² (≥0.19 lb/ft ²)
Resistance (Pa)	< 25
Temperature Resistance	-35°C to 85°C (-31°F to 185°F)



About Pi² Technologies

Founded in 2011, Pi² Technologies is a privately owned Canadian company. Pi² Technologies develops, produces and markets solutions for the coverage and treatment of odorous surfaces. These solutions are aimed at minimizing the emission of greenhouse gases and odours.

With a global presence Pi² Technologies since its beginning has helped municipalities and industries to reduce their odour impact and carbon footprint.



Corporate Headquarters
 2000 McGill College, Suite 600
 Montreal, Quebec
 Canada, H3A 3H3

info@Pi2Technologies.com
 www.Pi2Technologies.com

