

# PODZ Horizon

## Integrated Odour Control Cover

PODZ Horizon is a patented bespoke reinforced membrane 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 filters out of the basin and avoids creating a confined space. The PODZ Horizon filters' solid, one-piece construction make them simple and quick to replace.

### Advantages

#### Cost Effective

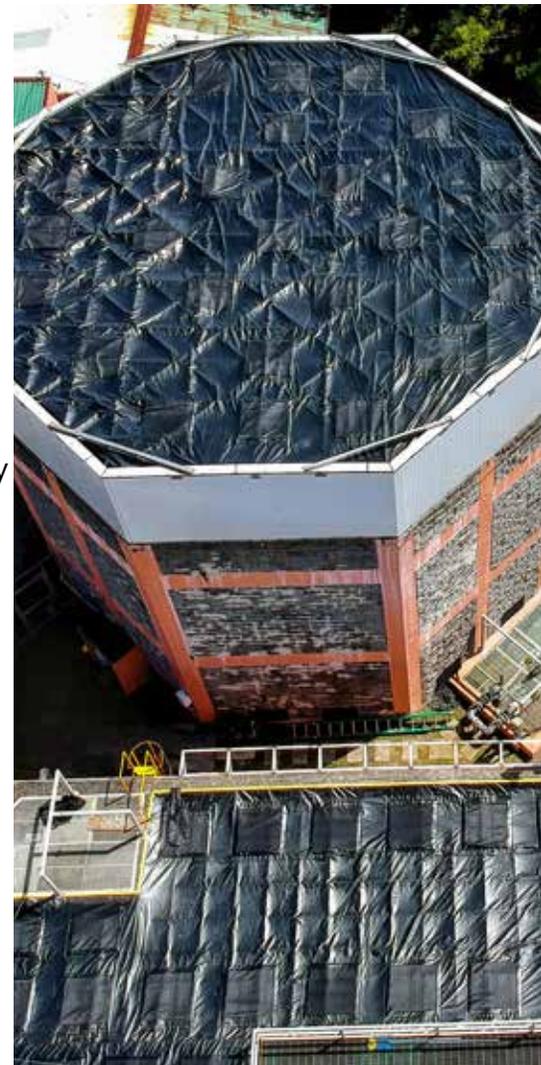
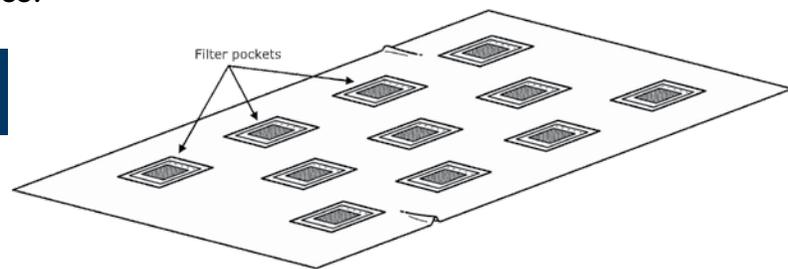
-  Best price per m<sup>2</sup> on the market
-  Tailor made to fit any basins
-  No energy required
-  Eliminate the use of chemicals
-  Simple filter replacement
-  Cover and treat at the same time

#### Tough and Effective

-  UV-Resistant
-  Highly chemical resistant
-  Superior tensile strength
-  Filters can be doubled to provide adequate adsorption capacity
-  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 <sup>2</sup>
Thickness	0.76 mm
Tear Strength	245 N min.
Breaking Yield Strength	2448 N min.
Puncture Resistance	1550 N min.
Temperature Resistance	-34°C to 100°C (-29°F to 212°F)

### Filter (Activated Carbon LL-20)

Weight	1200 g/m <sup>2</sup>
Wet-weight (H <sub>2</sub> O)	< 4200 g/m <sup>2</sup>
Thickness	20 mm
Carbon Content	≥ 900 g/m <sup>2</sup>
Resistance (Pa)	< 25
Temperature Resistance	-35°C to 85°C (-31°F to 185°F)



## About Pi<sup>2</sup> Technologies

Founded in 2011, Pi<sup>2</sup> Technologies is a privately owned Canadian company. Pi<sup>2</sup> 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, Pi<sup>2</sup> Technologies since its beginning has helped municipalities and industries to reduce their odour impact and carbon footprint.



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