

# PODZ Horizon

## Integrated Odour Control Cover

### INDUSTRY-LEADING INNOVATIONS

The PODZ Horizon is a patented, custom-designed reinforced geomembrane with integrated activated carbon filters, designed to securely cover liquid tanks and other odorous surfaces, effectively reducing odour emissions. It can be tailored to any shape or size and optionally can include access doors.

The specially engineered activated carbon filters ensure free gas flow from the basin, preventing the creation of confined spaces. Their durable, one-piece construction allows for quick and easy replacement.

## 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
-  Adjustable filter adsorption capacity
-  Typical odour reduction of 96% (EN13275)

### Business as Usual

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

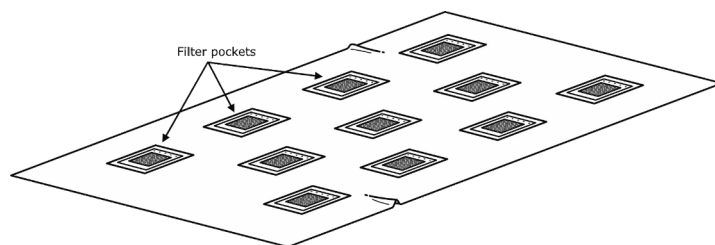
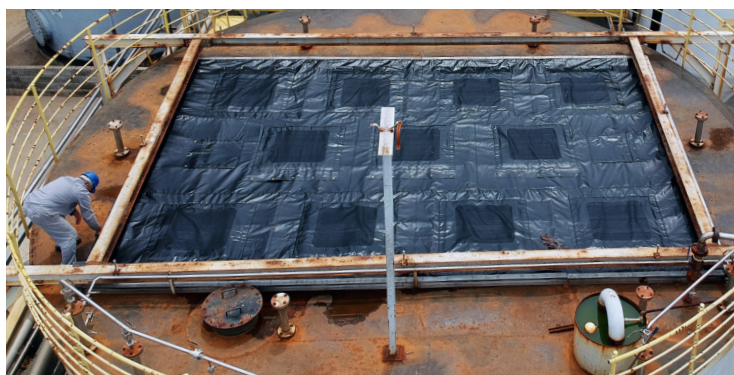


# Technical Details

The PODZ Horizon is custom-designed to fit any size or shape, backed by a one-year warranty against manufacturing defects. The geomembrane has a projected lifespan exceeding 10 years, while filter longevity varies based on emissions (type, concentration, rate, etc.), typically lasting 9 to 15 months.

| PODZ Horizon Geomembrane |                                 |
|--------------------------|---------------------------------|
| Weight                   | 1015 g/m <sup>2</sup>           |
| Wet-Weight with LL-20    | 10.5 kg/m <sup>2</sup>          |
| Wet-Weight with LL-40    | 13.5 kg/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) |

| PODZ Filters      |                                    |                         |
|-------------------|------------------------------------|-------------------------|
| Part Number       | LL-20                              | LL-40                   |
| Media             | Proprietary activated carbon blend |                         |
| Weight            | 1200 g/m <sup>2</sup>              | 2400 g/m <sup>2</sup>   |
| Thickness         | 20 mm                              | 40 mm                   |
| Carbon Content    | ≥ 900 g/m <sup>2</sup>             | ≥ 1800 g/m <sup>2</sup> |
| Resistance (Pa)   | < 25                               | < 45                    |
| Temperature Range | -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 dedicated to pioneering innovative solutions for odour control. In 2024 a subsidiary in Brazil was established.

We develop, produce and market the most cost-competitive solutions for mitigating odour emissions, improve safety in operational environments, and enhance the quality of life for communities.

With a strong global presence, Pi<sup>2</sup> Technologies has been a trusted partner from the start, empowering municipalities and industries to mitigate their odour impact, lower their carbon footprint, and to uphold the highest standards of sustainability and environmental responsibility.



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