

LOW PROFILE ODOUR CONTROL **TANK COVERS**

Power Plastics
Leaders in Cover Technology

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INTRODUCTION

Our unique aluminium flat decking system has been developed to offer a flexible, high quality and environmentally friendly odour control tank cover solution.

The system consists of interlocking aluminium profiles, 205mm in width and up to a length of 10000mm, laid directionally to form an effective odour control cover.

The decking boards are installed to be fully removable, with minimal labour requirements.

The decking system comes with full CE Certification to Execution Class 2

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CERTIFICATION & STANDARDS

The aluminium flat decking system will come with CE Certification and will conform with the following key standards:

CE

EN1991
Eurocode 1 Actions on Structures

EN1991
Eurocode 9 Design of Aluminium Structures

EN1090
CE Marking Structural Steel & Aluminium (Execution Class 2)





The harmonised standard EN1090 covers the adherence to 119 different European & ISO Standards, including the following key standards relating to this product:

- **EN755**
  Extruded rod/bar, tube and profiles
- **EN3506**
  Mechanical properties of corrosion resistant stainless steel fasteners

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CORROSION RESISTANCE

- The aluminium extrusion is extruded from a 6000 series alloy and has been used on a wide variety of odour control systems.
- Aluminium is a passive metal, with the aluminium oxide layer produced on the surface during the early stages of corrosion preventing further corrosion from occurring.
- A 30 year design life span can be expected under normal operational conditions
- A4 Grade Stainless Steel fixings are utilised in the system.

SLIP RESISTANCE

- Our standard aluminium decking system has been tested to BS7976-2 in line with HSE recommendations and obtained the British Standard classification of 'Low Slip Risk'.
- The product was tested in both wet and dry conditions and achieved the minimum value for 'Low Slip Risk' classification in both conditions. The test covered motion of travel in 3 directions and achieved the minimum PTV value in all 3 directions.

ENVIRONMENTAL & ASSET VALUE

- The aluminium decking system is 100% recyclable, with as much as 20% of the cost of the product recoverable at the end of the life cycle, turning the product into a physical asset for the end client.
- The product also helps to significantly reduce the carbon footprint of the project.

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FORWARD THINKING

Computer-aided design and laser measuring now go hand in hand with our superb cutting and welding skills to allow us to design complex solutions to the challenges our customers face. We bring an open mind to every project, incorporating our engineering and material know-how, in order to create right-first-time solutions where none existed before.

The results can be seen in the construction business, the water industry and in renewable energy, biogas projects all over the world. It's our business to see a project through from draft design to installation.... and we have never faced a problem yet that we couldn't beat.

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