



REMOVABLE PVC ODOUR CONTROL **TANK COVERS**

A POWER PLASTICS PRODUCT
MANUFACTURED
IN THE UNITED KINGDOM



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OUR MISSION

We are a leading, UK based, fabric engineering company specialising in the design manufacture and installation of tensile fabric structures and fabric membranes for a wide variety of industries.

Operating in a range of industries we have a worldwide reputation for the quality and service of the products that we provide.

Established for over 40 years POWER PLASTICS have a long history as a Tensile PVC manufacturer, although the Power Plastics of the late Sixties bears little resemblance to the high-tech company operating today.

Our integrated management policy encompasses ISO 9001, ISO 14001 and OHSAS 18001 enables us to align all our management systems with our business strategy.

In addition to the above our CE certificate covers the design and manufacture of structural components intended for load bearing applications as covered by BS EN 1090.

Our certification covers structures right up to execution class 4.

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INTRODUCTION

Our Removable Membrane Covers used over rectangular and circular process tank are extensively utilised within the waste and clean water industry. The fabric covers are easily removed to allow unrestricted inspection and maintenance of the tank process when required.

The tanks are covered using a number of fabric membranes typically 3-5m in width with a beaded edge that feed into extruded aluminium guide rails incorporated within the supporting roof trusses.



Typically the roofs are used for odour control purposes or to protect clean water tanks from environmental conditions such as windblown debris and vermin.

In addition we are able to incorporate aluminium decking and inspection hatches into our designs.





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STRUCTURAL SUPPORTS

With the supporting frame being manufactured from aluminium and stainless steel components it is extremely resistant to the effects of corrosive gases such as H₂S as found within many sewage treatments tanks.

CE marking regulations EN 1090-1; 2009+A1; 2011 require that anyone carrying out design is certified to carry out the design; POWER PLASTICS are certified to design methods 1; 2; 3a and 4b.

We are also certified to manufacture structural steel and aluminium components intended for load bearing applications up to Execution Class 4.

We can also incorporate internal walkways and aluminium hatches into the covers for access and maintenance.



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BESPOKE APPLICATIONS

We also appreciate that size isn't everything and we often deliver smaller, bespoke solutions to clients around the UK and further afield.

Existing assets that need covering often have existing features that need incorporating in the cover solution and our engineering team are well versed in overcoming the most challenging hurdles.



DEEPHAMS STW



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LARGE SCALE PROJECT DELIVERY

POWER PLASTICS have successfully delivered some of the largest projects of this type in Europe with project values up to £ 5,000,000.

One of the only companies in Europe to deliver a true end to end service covering design, engineering, manufacture, project management and site installation.



DAVEYHULME STW



LIVERPOOL STW



RINGSEND STW



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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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