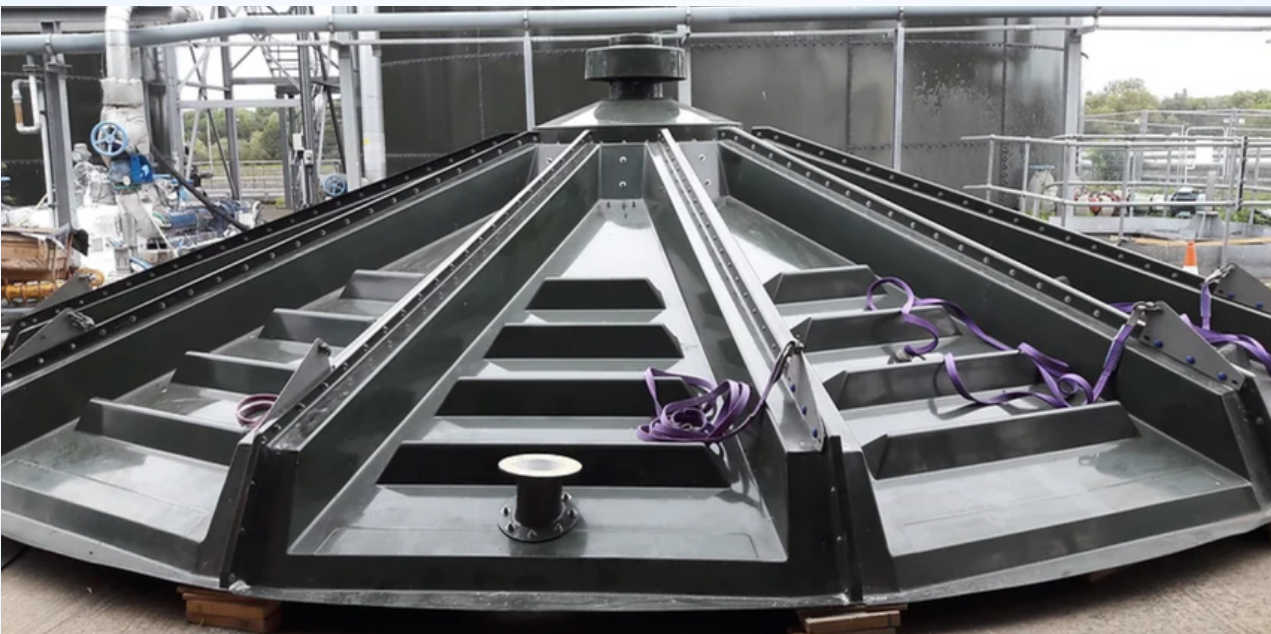


## Conical Covers Specifications

Corporate Engineering's range of pitched GRP odour containment covers are designed to fit circular steel and concrete tanks without the need for any additional support.



Cover design has been verified using standard structural calculations and proved using FEA Generic calculations are provided, project specific calculations are available at an extra cost. General Arrangement drawings are provided in AutoCAD 2D format. 3D versions also available Operation and maintenance manual provided for all covers

**\* Larger diameter covers area available using our Beam and Infill design (up to 25m clear span).**

**Covers below 6m diameter also use our Beam and Infill design.**

**\*\* Other higher grade resins are available on request**

**Current size range:** 6.0 – 16.22m diameter\*

**Cover pitch:** 20o

**Components:** 12 or 18 GRP segments and GRP centre ring and cap

**Tank types:** Suitable for circular steel, concrete tanks, panel tanks

**General Specification:** WIMES 8.05 Appendix G and the relevant Water Utility Specifications

**Loading Standard:** Duty (0.75kN/m<sup>2</sup>) to BS EN1991-1-1:2002 Eurocode 1

**Colour:** Any from the RAL 840HR or BS4800 ranges

**Fixings:** Grade A4 stainless steel

**Sealant:** Closed cell neoprene foam strips

**Resin and gel coat:** Selected chemically resistant grades to BS3532:1990\*\*

Glass reinforcement Chopped strand mat and woven glass to BS3496:1989 & BS3749:1991

**Manufacture:** Manufactured in temperature-controlled conditions. Where appropriate they conform to the requirements of BS4549-1:1997

**UV resistance:** Pigments have a colourfastness of at least 7 to BS1006:1990

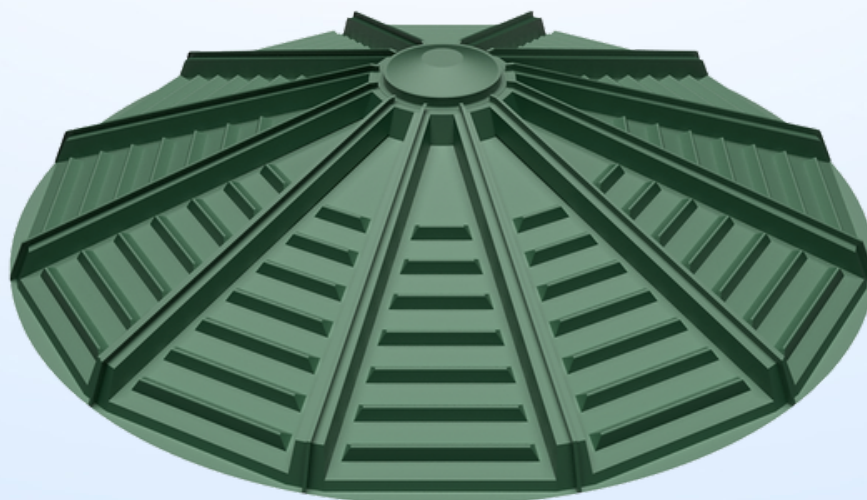
**Chemical resistance:** Suitable for use in high H<sub>2</sub>S environments

**Fire resistance:** Resins are rated to Class 2 to BS 476-7:1997

**WRAS Approval Standard:** resins have WRAS approval for use with potable water

**Thermal Insulation:** PU foam insulation can be incorporated into the cover segments to provide a higher level of thermal insulation

Design Life 25 years



Cover design has been verified using standard structural calculations and proved using FEA.

Generic calculations are provided, project specific calculations are available at an extra cost.

General Arrangement drawings are provided in AutoCAD 2D format. 3D versions also available.

Operation and maintenance manual provided for all covers.

## Cover Accessories

- Access Manways – Hinged and lockable c/w removable stainless-steel safety grilles
- Mixer, pump and aerator hatches
- Flanged upstands for odour extraction or instrument mounts
- Fresh air inlets – fitted with bird or insect mesh
- Flat areas c/w slip deterrent surface and GMS or GRP handrailing

