

Beam and Infill Covers Specifications

The beam and infill system offers a flexible solution to covering any shape of tank or chamber. The BI system pans up to 22 meters and is totally self-supporting.



The system allows for covers to be fitted without the need for emptying or cleaning the tank as no access into the structure is required. As this is a modular system, covers can be built directly onto the structure, unlike other covers that need to be built on the ground and then lifted into position.

An advantage on sites where space is at a premium. Corporate Engineering offers a full range of access manways, inspection and mixer hatches to suit your requirements.

Flat areas for walkways can be included around hatches and equipment (if required).

Different access loadings can be defined by contrasting colours. Covers can be manufactured to any British Standard or RAL colour.

Beam and infill covers are supplied as a kit of smaller components making them easy to transport and install. Covers can be containerised for export.

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

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

