

BEAM & IN-FILL COVERS

When a standard Cover wont work, Beam & In-Fill is often the best solution. Our system is able to span up to 20m, is totally self-supporting, and because it is modular the cover can be fitted directly on to the tank without prior ground assembly. Usually, the entire process can be carried out without requiring access to the tank thus alleviating any requirement for draining.

Covers are constructed by fixing an appropriate number of moulded Beams across any shape of tank, then fixing sections to these beams to cover the specified area. Hatches, machinery access and other incursions are particularly easily accommodated.



HATCHES & MANWAYS

A wide range of accessories are available for incorporation in to our Covers or as stand alone items. Hinged and Lockable Manways are made in 4 standard sizes but any other requirement can be accomodated. Viewing hatches, Windows and Fresh Air Inlets are also available in various designs and sizes.



client list

- South West Water
- Wessex Water
- Southern Water
- Thames Water
- Anglian Water
- Severn Trent Water
- Welsh Water
- United Utilities
- Northumbrian Water
- Scottish Water Solutions
- Water Services Northern Ireland
- Balfour Beatty
- Costain
- Biwater
- Enpure
- Black and Veatch
- May Gurney
- Morrison Utility Services Ltd.
- 4 Delivery
- Edmund Nuttall
- Copa
- McAlpine
- Laing O'Rourke
- Permastore
- Galglass
- Kirk Liquid Management Solutions
- Irish Industrial Tanks
- A-Consult
- Goodwin Tanks
- Apro (France)
- Astra Zeneca
- Roche Products
- British Sugar
- Alfa Laval
- Smithkline Beecham

ARMFIBRE ~ TANK COVERS

The first Armfibre Tank Cover was installed at Procter & Gamble plant in Manchester in 1973 and is still performing to specification! With unrivalled design experience and a production capability unmatched in Europe, Covers can be supplied in the biggest sizes, to the tightest specification, in the largest volume and within the shortest lead-time most customers could possibly require!

Employing 250+ people and operating from modern factories in Bedfordshire, Lancashire and Scotland, we are uniquely resourced to provide the highest levels of local service to main contractors, tank manufacturers or civil engineers anywhere in the country. With an experienced design team utilising the most up to date CAD facilities, in-house pattern & mould making capability at all plants, an extensive range of standard products and a full installation service if required, it's highly likely that an Armfibre Tank Cover will be the best option for your project or product. And because we are the UK's largest general moulder, our purchasing power and production productivity should ensure that our Covers are also the best value in the market.

With its resistance to corrosion, flexibility of design, minimal maintenance requirement and high strength to weight ratio, the headline benefits of glassfibre are well known. By applying our capability and capacity to the materials unique characteristics virtually any tank or trough can be covered- effectively, attractively and economically.



production **GLASSFIBRE**

THE UK'S LARGEST GENERAL MOULDER

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CIRCULAR SELF-SUPPORTING COVERS

The standard range of Armfibre Self-Supporting Covers is designed to fit circular steel or concrete tanks up to 30m. in diameter.

Covers up to 20m. diameter have a pitch of 20 degree and consist of identical, transportable segments which are fixed to each other through external radial flanges and then bolted to a central ring.
Covers over 20m. diameter are also formed in segments, but are of a shell design which produces a scalloped dome appearance.

Whatever the size, each segment has an impervious glassfibre (GRP) skin, moulded in one piece and reinforced with composite box beams and/or foam filled structural members.

An economical, flat cover is also available for tanks below 6m. diameter. These have the lower surface moulded, are manufactured in two halves and reinforced with integral composite box beams.



STANDARD SELF-SUPPORTING COVERS			
TYPE	SEGMENTS	RING DIA	SIZE RANGE
D-Cover	2	n/a	2.0-6.0
SS8	8	1.0	4.0-7.0
SS12	12	1.0	6.0-10.0
SS18	18	1.0	10.1-13.0
SS18	18	1.93	13.1-15.0
SS24	24	1.93	15.1-20.0
SS32	32	2.5	20.1-30.0

CIRCULAR CENTRALLY-SUPPORTING COVERS

The standard range of Armfibre Centrally-Supported Covers are designed to fit over circular steel or concrete tanks up to 30m. in diameter. Each cover consists of identical radial segments which are connected to a circular steel ring suspended from a bridge across the tank or supported on a column arrangement.

Covers over 30m. in diameter can also be manufactured by special design.



STANDARD CENTRALLY SUPPORTED COVERS			
TYPE	SEGMENTS	RING DIA	SIZE RANGE
CS12U	12	1.0m	6-10m
CS18U	18	1.5m	10-12m
CS18UT	18	1.5m	12-15m
CS24UT	24	2.0m	15-20m
CS32UT	32	3.0m	20-30m

All sizes refer to internal dimensions



RECTANGULAR COVERS

The standard range of Armfibre Rectangular Covers have a maximum clear span of 10m. with a unit width of 1.5m. They have a smooth, moulded upper surface, with Composite box beams incorporated in the horizontal plane. The interconnecting surfaces then have a single fall of 1 in 20 on covers below 5m. span and a double fall of the same on units up to 10m. Moulded closure panels are provided at either end.

Larger spans (up to 25m.) can also be accommodated utilising the same characteristics as the standard covers with our Beam and Infill design.



STANDARD RECTANGULAR COVERS									
CLEARSPAN	m	3	4	5	6	7	8	9	10
OVERALL WIDTH	m	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
OVERALL DEPTH	mm	235	285	335	385	435	435	435	285
FALL		SINGLE				DOUBLE			