



FIBREFORCE COMPOSITE ACCESS LADDERS

The **Fibreforce Composite Access Ladders** are designed to provide permanent access with safety even in the most difficult environmental conditions. It offers a direct replacement/alternative to conventional metal ladders at economical pricing. Fibreforce Composite Access Ladders are fabricated using primarily Exel's Utilo Range of Structural Profiles.

Main advantages for using these ladders:

- Ease of installation due to light weight material
- Very little if any maintenance
- Price competitive with most materials
- Designed and tested to BS/European standards

Configuration

Fibreforce Range consists of two primary types of Access ladders:

- Man Hole Access Ladders
- External Access Ladders

The Fibreforce Composite Access Ladder

Material:

Glass Reinforced Composites

Benefits:

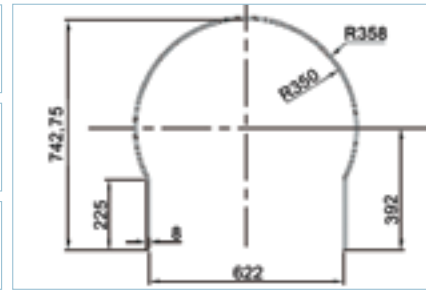
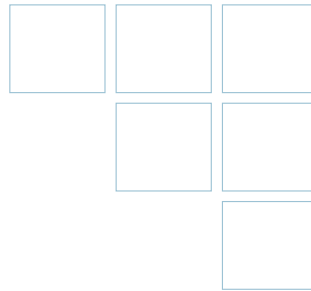
**Easy to install
Easy to maintain
Economical solution**

Types available:

**Man Hole Access Ladders
External Access Ladders**

**Designed to EN ISO
14122-4:2004/BS
4211:2005**

A comprehensive range of elements available to make an optimized design



Standard safety hoop dimensions.

FIBREFORCE COMPOSITE ACCESS LADDERS

Internal (Manhole) Access Ladders

This ladder is designed to BS 4211: 2005 and includes:

- Straight Ladder with rungs at 250mm c/c spacing.
- Wall brackets designed for the manhole curvature.

Information required for quotation purposes:

- Height of man hole
- Width of ladder
- Details of manhole

External Access Ladders

The standard ladder is designed to BS EN ISO 14122-4:2004 and include a combination of any of the following elements:

- Straight ladder
- Safety cage
- Safety gate
- Landing platform
- Wall/floor fixings/supports

Information required for quotation purposes:

- Width of ladder
- Height of ladder
- Colour of ladder
- Cage required
- Top Exit details;
 - Walk through
 - Left hand side exit
 - Right hand side exit
- Landing details if required
- Fixing wall details

Standard ladders are offered in yellow and iso- polyester resin, but alternatives are available at a small premium. Full details are available on request.

The Fibreforce Composite Access Ladders

Material:

Glass Reinforced Composites

Benefits:

**Easy to install
Easy to maintain
Economical solution**

Types available:

**Man Hole Access Ladders
External Access Ladders**

**Designed to EN ISO
14122-4:2004/BS
4211:2005**

**A comprehensive range of elements
available to make an optimized
design**