

iPlus[®] Glass UV

Product Information

A glass fibre-reinforced structural CIPP solution that utilizes UV cure processes.



iPlus[®] Glass

With over 55 years of industry leadership, Insituform remains at the forefront of trenchless pipeline rehabilitation and protection. As part of the iPlus[®] family, iPlus[®] Glass offers enhanced performance by incorporating glass fibre reinforcement and using an ultraviolet (UV) curing method. This not only reduces energy consumption but also lowers carbon dioxide emissions during installation.

Utilising a pull-in process, iPlus[®] Glass minimises material waste and significantly reduces the jobsite footprint—outperforming traditional CIPP methods. Compared to standard CIPP, it requires less resin while delivering superior mechanical strength.

Insituform has more experience than any other company in the world installing CIPP products. This trenchless CIPP solution is a jointless, seamless, pipe-within-a-pipe. It can be used to rehabilitate pipes ranging in diameter from 150mm to 1200mm. This product is available for delivery and installation worldwide.

Contact us:

(+44) 01933 678 266
www.insituform.co.uk

Address

12/20 Brunel Close, Park Farm Industrial Estate
Wellingborough, Northants, NN8 6QX

iPlus® Glass UV

1. General Data

Diameter range	150mm to 1,200mm
Wall thickness	3mm to 12mm
Liner material	Advantex / ECR Glass (875g/m²)
Curing technologies	UV Cured
Wear layer according to DIN EN 295-3	0,21 mm

2. Mechanical Performance

E-Modules short time	13,400 N/mm²
E-Modules long time	9.570 N/mm²
Flexural strength, short term ofB (DIN EN ISO 11296 or DIN EN ISO 178)	200 N/mm²
Flexural strength, long term ofB	140 N/mm²
Reduction factor after 10.000 h	1.4

3. Operating Conditions

Chemical resistance	pH4 to pH10 depending on water temperature, and use of Resin (Polyester or Vinyl ester)
Effluent temperature	55°C, short term 75°C
Host pipe condition - partially or fully deteriorated	Yes (Liner thickness to define by Static Calculation)
Offset joints	Yes
Bends	Long extention bends up to 30° maximum
Diameter changes	No
Thickness changes	Yes
Typical installation length	20 to 250 meters
Host pipe shape	All shapes
Host pipe material	All materials

4. Pull-in and Curing

All instructions of the installation manual apply. The use of slide foil is recommended.
To protect the outer foil and reduce the friction during the pull-in, the use of a slide foil is mandatory.

5. Transportation and Storage of Impregnated Liners

Transport:	By normal truck in certified wooden crates
Storage temperature:	5°C to max. 25°C up to 6 months
In case of lower storage temperatures the liner should be pre-heated to a min of 5°C, please also consider special calibration times for temperatures below 5°C.	