



FPC(UK) Ltd Manufacturers and suppliers of quality **Firesure**<sup>®</sup> Fire Protection Products.

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## **Firesure**<sup>®</sup> UFS for fire protection tested to 30, 60, 90, & 120 minutes.

**FireSure**<sup>®</sup> **Universal Fire Sleeve** an ECO friendly product range that helps you achieve your green credentials to become a ECO friendly company by helping to save the planet by reducing your CO<sup>2</sup> and other emissions.

Whatever you need to fire protect, you only need to remember one product, "**FireSure**<sup>®</sup> **Universal Fire Sleeve**"

**The **FireSure**<sup>®</sup> UFS is a ECO Friendly Low profile Universal Multifunction, Multipurpose Fire Seal.**

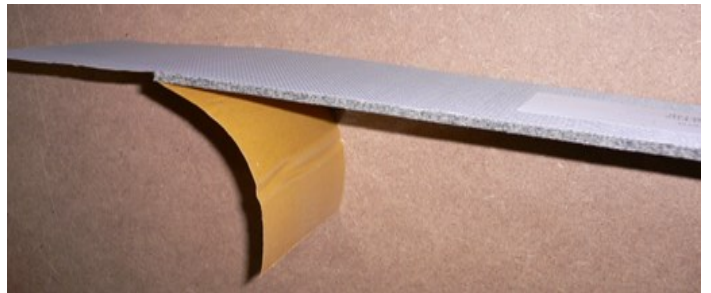
By using the The **FireSure**<sup>®</sup> UFS you will be helping the climate by reducing CO<sup>2</sup> and other emissions. The **FireSure**<sup>®</sup> UFS helps you reduce your carbon and energy footprint, and also reduces transport emissions and costs.

The new **FireSure**<sup>®</sup> UFS helps to achieve all of the above by its unique design and method of installation.

Because the **FireSure**<sup>®</sup> UFS sleeve wrap is designed to work with unlined and uninsulated (hollow) stud partitioning by traversing the void from one wall face to the opposite wall face, there is no longer any need to form or make metal sleeves to traverse the void to act as a barrier preventing the fire protection products previously used from expanding and falling into the cavity. Thereby reducing the CO<sup>2</sup> and other emissions as in the process of producing the steel, for every 1Kg of steel produced approximately 2.5-3.5 Kg of CO<sup>2</sup> emissions are produced, this figure does not include all the emissions associated with the mining operations for the iron ore etc.

By specifying or using the **FireSure**<sup>®</sup> UFS the energy used in producing the metal for manufacturing a metal sleeve or metal collar is eliminated. Energy used to mine and transport the ore, energy used to smelt and produce the steel, energy used to roll and produce the metal, energy used in fabricating the sleeve or collar are all eliminated. Further energy is saved by not having to mechanically fix the metal sleeve or collar.

The **FireSure**<sup>®</sup> UFS sleeve wrap is supplied and packaged flat, thereby reducing packaging materials and storage space required as opposed to preformed products. As an example, in packaging two preformed fire seals, approximately forty five **FireSure**<sup>®</sup> UFS sleeve wraps will fit in the same packaging (see next page). This means that fuel used and emissions from transporting goods are reduced by approximately 95% per equivalent cubic area, reducing **Carbon dioxide** (CO<sup>2</sup>), **Carbon monoxide** (CO), **Nitrogen oxides** (NO and NO<sup>2</sup>, together called NO<sub>x</sub>), **Hydrocarbons** or **volatile organic compounds** (VOCs).



The **FireSure**<sup>®</sup> UFS is designed to seal circular plastic pipework, rectangular, round or square plastic ducting, any shape that it can be formed around, including metal electrical cable trays etc.

Designed also for use with thin walled plastic pipe and ductwork of 1.5mm thickness and twin wall HDPE of 0.5mm wall thickness  
Designed to eliminate the use of metal collars and sleeves, and the need to be mechanically fixed.

### **Features and Benefits**

Tested to BS EN 1363-1:2012 and BS EN 1366-3:2009. Tested on 0.5mm wall HDPE and 1.5mm thin wall ducting with Un-capped/Uncapped (U/U) duct configurations required for ventilation ducts

Tested on more onerous 100mm stud partition, Also tested through unlined openings through infilled and pattress fitted **FireSure**<sup>®</sup> Slab/Batt

Up to 2 hours fire rating achieved and on 160mm<sup>Ø</sup> pipe.

The **FireSure**<sup>®</sup> UFS is tested in differing lengths from 100mm to 220mm

Suitable for insulated and non-insulated partitions, No mechanical fixings required – Can also be retrofitted  
Unaffected by water/moisture.

Cost effective, Easy to install, Maintenance free, Available in range of sizes



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## **FireSure**® UFS Passive Fire protection tested 30, 60, 90, & 120 minutes.

The **FireSure**® UFS Sleeve/Wrap is wound around the penetration and secured with the incorporated self-adhesive tab.

A tube of **FireSure**® 4 hour fire rated intumescent mastic is supplied free of charge with every 10 number **FireSure**® UFS fire sleeves for rectangular ducting or equivalent, for sealing gaps around and making good edges.

### Applications

1. For use in single and double boarded partitioning.
2. For use in lined or unlined partition apertures through **FireSure**® Slab/Batt in aperture opening.
3. For use in lined or unlined partition apertures through **FireSure**® Slab/Batt externally fitted over aperture opening.

103 minutes integrity and insulation in a 60 minute partition wall on 220x90mm rectangular and 125mm round ducting was attained.



Clean and simple installation whatever the penetration to be fire sealed.

Once hole has been cut and penetration in situ just 3 steps needed.

1. Just fold tightly around the penetration and fix tight around the penetration using the integral joining tab.
2. Slide **FireSure**® UFS until flush with or through both sides of structure.
3. Make good any imperfections between **FireSure**® UFS and structure using **FireSure**® intumescent mastic (supplied), or plaster.

To Specify the correct **FireSure**® UFS

1. Specify the outside dimensions of the penetration.
2. Specify the overall thickness of the partition.

The correct **FireSure**® UFS is then supplied. - Just one seal to remember, **FireSure**® UFS

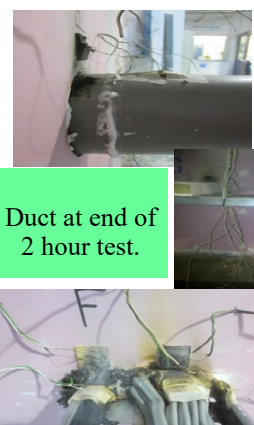


Metal or pre-formed product packaged to the left.

The same amount of **FireSure**® UFS packaged to the right.

Save on transport loading space.

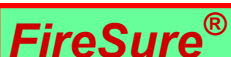
Save on storage space on site.



Pipe at end of 2 hour test.

Duct at end of 2 hour test.

Cable Tray at end of 2 hour test.



Full Detailed Data Sheet is available on request.

We can offer bespoke Solutions and other products. Please forward enquiries and drawings so we can quote.