

Application:	Service penetrations - plastic SWD systems
Fire resistance period:	EI 120 up to EI 180
Insulation/integrity:	Insulation and integrity
Test standard:	BS EN 1366-3:2004
Approval type:	CE Mark - I121 CPD - JA5003

## CE Marked Pipe Wraps – 200 & 400 Series



TYPICAL  
INSTALLATION  
- wall application



Pyroplex<sup>®</sup> CE Marked Pipe Wraps have been specifically designed to reinstate the fire resistance of a wall or floor which has been penetrated by services such as plastic flammable pipes used in soil, waste and drainage services. Pyroplex<sup>®</sup> CE Marked Pipe Wraps are available in two fire ratings; 2 hour and 4 hour. To fit, simply fix wrap around the pipe using adhesive tab and slide along pipe into wall/floor cavity. After insertion the cavity around the pipe can be made good with filler. Pyroplex<sup>®</sup> CE Marked Pipe Wraps are tested to BS 476: Part 20: 1987 and BS EN 1366-3: 2004 and have a European classification in accordance with BS EN 13501-2: 2007. Pyroplex<sup>®</sup> CE Marked Pipe Wraps are compliant with the requirements given in Certificate TS03.

**Certifire Certificate No. CF635**

**EC Certificate of conformity I121 - CPD - JA5003**

### FIELD OF APPLICATION

Pyroplex<sup>®</sup> CE Marked Pipe Wraps have been specifically designed to prevent the passage of fire and hot gases through:

- Concrete and masonry walls.
- Concrete floor constructions.
- Soil, waste and drainage 'above ground' applications.

### PRODUCT FEATURES

- Pyroplex<sup>®</sup> CE Marked Pipe Wraps have achieved a fire rating of either 2 hour or 4 hour.
- Easy to place around pipe and slide into position.
- Intumescent material is totally unaffected by water, is robust, 'non-flaking' and difficult to tear.
- Colour coded; red sleeve 200 series, and silver sleeve 4 hours.

### PRODUCT RANGE

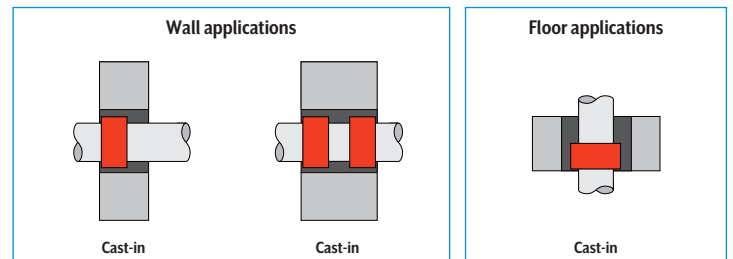
*Note: Diameter hole in wall or floor for guidance only.*

200 SERIES FIRE RATED PIPE WRAPS				
Part no.	Pipe material	Pipe wall thickness	Orientation	Fire classification WFI74256/C
PPW55-2	PVC-u	3.2mm	Wall	EI 120 - u/c
PPW55-2	PVC-u	3.2mm	Floor	EI 120 - u/c
PPW82-2	PVC-u	3.2mm	Wall	EI 120 - u/c
PPW82-2	PVC-u	3.2mm	Floor	EI 120 - u/c
PPW110-2	PVC-u	3.2mm	Wall	EI 120 - u/c
PPW110-2	PVC-u	3.2mm	Floor	EI 120 - u/c
PPW160-2	PVC-u	3.2mm	Wall	EI 120 - u/c
PPW160-2	PVC-u	3.2mm	Floor	EI 120 - u/c

400 SERIES FIRE RATED PIPE WRAPS				
Part no.	Pipe material	Pipe wall thickness	Orientation	Fire classification WFI74256/D
PPW55-4	PVC-u	3.2mm	Wall	EI 240 - u/c
PPW55-4	PVC-u	3.2mm	Floor	EI 120 - u/c
PPW82-4	PVC-u	3.2mm	Wall	EI 240 - u/c
PPW82-4	PVC-u	3.2mm	Floor	EI 240 - u/c
PPW110-4	PVC-u	3.2mm	Wall	EI 120 - u/c
PPW110-4	PVC-u	3.2mm	Floor	EI 120 - u/c
PPW125-4	PVC-u	3.2mm	Wall	EI 120 - u/c
PPW125-4	PVC-u	3.2mm	Floor	EI 180 - u/c
PPW160-4	PVC-u	3.2mm	Wall	EI 120 - u/c
PPW160-4	PVC-u	3.2mm	Floor	EI 180 - u/c

### INSTALLATION INSTRUCTIONS

1. The wall or floor must be of solid construction. The recess hole must be the correct size. See table in previous section.
2. Fix wrap around the pipe using adhesive tab and slide along pipe into wall/floor cavity to a depth of 5mm min./10mm max.
3. After insertion the cavity around the pipe can be made good with filler. The surface can then be decorated.



### QUALITY APPROVAL

Pyroplex Limited has a Quality Management System that meets the requirements of ISO 9001, and is independently verified by BSI Quality Assurance under Certificate No. FM10371. Copies of this approval are available on request.

### OTHER INFORMATION

The information contained herein is based upon the present state of our knowledge. Recipients of our Pyroplex<sup>®</sup> products must take responsibility for observing existing laws and regulations.

Due to our policy of continuous improvement Pyroplex Limited reserves the right to amend specifications without prior notice.

## TECHNICAL DATA:

### PRODUCT TESTING

Pyroplex Limited have carried out numerous independent fire resistance tests to confirm the suitability of the product and to demonstrate product compliance by utilising BS 476: Part 20: 1987 and BS EN 1366-3: 2004. EN classification report to BS EN 13501-2: 2007 is available for download on Pyroplex® website.

Pyroplex® 200 series wraps refer to EN Classification reports WF174256/C Issue 2. Pyroplex® 400 series wraps refer to EN Classification reports WF174256/D Issue 1.

### STRUCTURAL CONSTRUCTIONS

Pyroplex® CE Marked Pipe Wraps can be used in walls and floors, with a solid construction of a density not less than 650kg/m<sup>3</sup>. Pyroplex® CE Marked Pipe Wraps must not be used in stud wall partitioning systems.

The wall or floor shall not be less than 100mm in overall thickness. It is recommended that the overall distance between the wrap and the hole does not exceed 5mm. Failure to observe this may result in underperformance in a fire situation.

### SPECIFICATION OF WRAPS

The Pipe Wrap consists of a polyethylene sleeve which contains a single or multiple layers of intumescent material. For pipe diameters of 125mm-160mm\* the intumescent is contained within a glass-fibre woven sock. The sleeve is provided with a self-adhesive tag to aid installation.

\*4 hour wraps only.

### PRODUCT GUARANTEE AND TRACEABILITY

Providing the product is installed in accordance with the requirements of the guidance document the product is guaranteed for a period of 10 years.

### TECHNICAL SUPPORT AND GUIDANCE

Should you require any further information regarding this product please contact Pyroplex Limited or visit our website, [www.pyroplex.com](http://www.pyroplex.com)

## MATERIAL SAFETY DATA:

### COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature:** Thermoplastic element composition containing intercalated graphite in a synthetic compound with the addition of fillers and process oils, presented in a polyethylene sleeve to form the product.

### POSSIBLE HAZARDS

**Principle hazards:** Not subject to decree of hazardous substances.

**Critical hazard to man and environment:** Not applicable.

### FIRST AID MEASURES

**On skin contact:** Wash thoroughly with soap and water.

**On contact with eyes:** Wash for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**On ingestion:** Rinse mouth immediately, do not induce vomiting, and seek immediate medical attention.

**If inhaled:** Not applicable in solid state.

### FIRE FIGHTING MEASURES

Pyroplex® intumescent material is self-extinguishing.

**Suitable extinguishing media:** Water, foam, powders and dry extinguishing media.

**Special protective equipment:** Suitable forms of PPE [personal protective equipment]. Avoid inhalation of smoke or fumes.

In the event of fire, contact the appropriate emergency services for assistance.

### ACCIDENTAL RELEASE MEASURES

**Personal precaution:** In the event of fire ensure sufficient ventilation.

**Environmental precaution:** Ensure materials are disposed of in accordance with local authority regulations and/or government legislation.

**Methods for cleaning up:** No special measures necessary.

### HANDLING AND STORAGE

**Handling:** No special requirements.

**Storage:** Store dry and in a cool place [not above +35°C]. Keep out of reach of children. Take care for sufficient ventilation.

### EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Respiratory protection:** None normally required, when supplied in solid form.

**Hand protection:** None normally required.

**Eye protection:** None normally required.

**Skin protection:** None normally required.

### PHYSICAL AND CHEMICAL PROPERTIES

Intumescent element	Solid
Colour	Black
Odour	Acidic
Explosion limits	None

### STABILITY AND REACTIVITY

**Conditions to be avoided:** Thermal decomposition above +300°C.

**Hazardous decomposition products:** Thermal decomposition, fumes contain Hydrogen Chloride. However, the activated graphite is effective at removing aromatic particles from smoke emissions.

### TOXICOLOGICAL INFORMATION

**Acute toxicity:** Not applicable in solid state.

### ECOLOGICAL INFORMATION

**General advice:** Observe the legal provisions regarding the prevention of ground water and surface water as well as air.

### DISPOSAL CONSIDERATIONS

**Product packaging:** Refer to local authority regulations.

**Recommendations:** Disposal of by special means in accordance with local regulations e.g. suitable deposition.

**Contaminated packaging recommendation:** Not applicable.

### TRANSPORT INFORMATION

**Transport hazards:** No regulations apply for the transport of this material. Not classified as hazardous for road, rail, sea or air transport.

### REGULATORY INFORMATION

Labelling according to EEC directives	
National legislation/regulation	Not applicable
VbF classifications	None
Water hazard class	Not applicable