

Universal Pipe Wrap & Universal Pipe Sleeve





Universal Pipe Wrap

Ultra Universal Pipe Wrap is an innovative and cost effective product for the fire stopping of plastic pipe penetrations. The product reinstates the fire rating of a construction and prevents fire spread from one compartment to another.

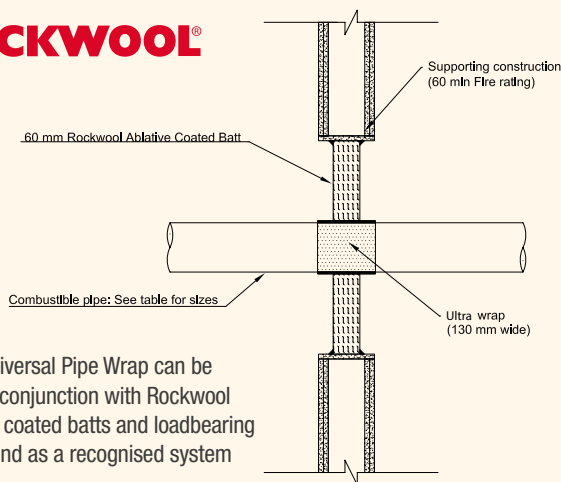
Plastic pipes are found in all commercial and domestic buildings. A large percentage of these pipes penetrate fire rated constructions such as walls, floors and ceilings. Once a hole is

made in the construction for the passage of pipes/services, the integrity of the construction and its ability to prevent the spread of fire are immediately compromised.

Ultra Universal Pipe Wrap is capable of expanding over 30 times its thickness to crush and close off the pipe in a fire situation, forming a solid char and preventing the passage of fire and smoke to the adjacent compartment.

CAD Details: Simple and Easy to Install

ROCKWOOL®



Ultra Universal Pipe Wrap can be used in conjunction with Rockwool ablative coated batts and loadbearing compound as a recognised system

Application

Ultra Universal Pipe Wrap is suitable for use on plastic pipes for all walls and floors.

Dimensions

Length - 1000mm | **Width** - 130mm | **Thickness** - 2.1mm

Performance Benefits

- Provides fire rating of up to 4 hours to BS-EN 1366-3*
- Provides integrity & insulation
- One size fits all pipes
- Suitable for use with any ablative coated batt
- One wrap can replace two collars
- Quick and easy to cut and install
- Minimal waste
- The pipe wrap is solid and stable even when fully expanded
- Environmentally friendly – halogen free

*Not recommended for use below -5°C



* All fire tests were conducted at UKAS accredited fire test laboratories to BS-EN 1366-3. Given the range of extensive testing, an assessment of the scope has been produced by Exova Warringtonfire. Ultra Universal Pipe Wrap is recognised as the simple cost effective tested solution for fire sealing plastic pipes.

Applications: One Size Fits All and Versatile

Scope of types of penetrations and required number of laps with Ultra Universal Pipe Wrap.

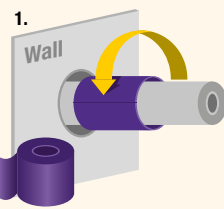
			Types of pipes and maximum diameters covered (mm)				
			PVC		MDPE & HDPE	ABS	PP
			$\Phi \leq 115$	$115 < \Phi \leq 170$	$\Phi \leq 110$	$\Phi \leq 115$	$\Phi \leq 110$
Integrity	60 Min.	Wall	1 lap	2 laps	1 lap		
		Floor					
	120 Min.	Wall					
		Floor					

Installation: One Size Fits All and Versatile

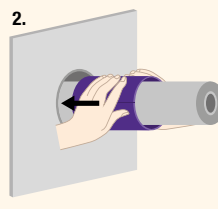
Measure the required length for the pipe and cut the wrap



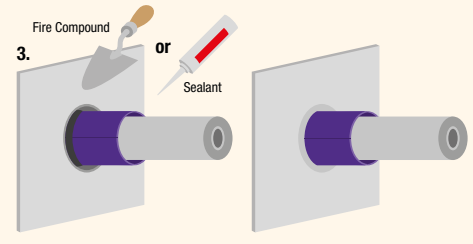
Drywall/Concrete Wall/Masonry Wall



Apply the wrap around the pipe, and tape over it.



Slide the wrap into the wall



Fill the annular space with fire rated sealant or fire compound
*Fire compound cannot be used on drywall.

Applications: Wall/Floor Section

Integrity	Types of pipes and maximum diameters covered (mm)			
	Drywall = 100-125	Concrete Wall = 100-125	Fire Batt (Single Layer)	Floor ≥ 100 mm
60 Min				
120 Min				

Simple & Easy to Install

The Ultra Universal Pipe Wrap is installed simply and easily without using special fixing materials.

The product is extremely flexible, once wrapped around the plastic pipe and sealed with tape, it is then slid into the aperture. The rest of the opening can then be filled with either fire resistant acrylic sealant or mortar.

Ultra is a range of quality products and ancillaries for a wide range of applications:

- Industrial Process
- HVAC (Heating, Ventilation & Air Conditioning)
- Refractory/High Temperature applications
- Fire Protection



Universal Pipe Sleeve

Ultra Universal Pipe Sleeve is a revolutionary product incorporating the performance benefits of Ultra Universal Pipe Wrap, as well as a wider scope of application. This provides a cost effective fire stop for all plastic pipes, moving away from traditional products already on the market, such as Pipe Collars and Pipe Wraps.

Ultra Universal Pipe Sleeve is a unique product, eliminating the issue of condensation which could affect the thermal performance and also create corrosion under insulation. The pipe sleeve maintains the vapour layer of the thermal insulation. With Ultra Universal Pipe

Sleeve there is no cut back required of the phenolic insulation as with historic methods to achieve the necessary level of fire resistance. Ultra Universal Pipe Sleeve's scope of application includes all Plastic Pipes as well as Phenolic Insulated Pipes from OD sized up to 168mm and insulation thickness up to 40mm.

Its uniquely scored surface allows the product to wrap around pipes with ease, whilst the strip can also be ripped by hand without the need of a knife. The separate foil tape serves not only to direct the intumescent but also to bind the strip in a neat bundle.



Application

Ultra Universal Pipe Sleeve is a unique scored wrap, flexible and easy to install on both phenolic insulated and plastic pipes.

Dimensions

Length - 1000mm | **Width** - 130mm | **Thickness** - 2.1mm

Performance Benefits

- Provides a Fire Rating of : 2 hours, BS-EN 1366-3
- Eliminates condensation and maintains vapour layer
- One size fits all phenolic insulated pipework and plastic pipes
- **'No cut back' of phenolic insulation is required**
- Unique scored sleeve, soft and easy installation
- Cost effective
- One sleeve can replace two collars
- Solid and stable, even when fully expanded
- Suitable for use with any ablative coated batt
- Minimal waste
- Environmentally friendly – halogen free

* All fire tests were conducted at UKAS accredited fire test laboratories to BS-EN 1366-3. Given the range of extensive testing, an assessment of the scope has been produced by Exova Warringtonfire. Ultra Universal Pipe Sleeve is recognised as the simple cost effective tested solution for fire sealing plastic pipes.

Applications: Scope for Insulated Pipe

1. Insulation is limited only for Phenolic insulation.

	Pipe O.D. (mm)	Insulation Thickness (mm)	Drywall 120 min.	Batt*1 60 min. (T=50mm)	Batt*2 120 min. (T=60mm)	Batt*3 120 min. (T=100mm)	Concrete wall 120 min.	Concrete floor 120 min.
Copper	15	15	✓	✓	✓	✓	✓	✓
	42	15	✓	✓	✓	✓	✓	✓
	108	15	✓	✓	✓	✓	✓	✓
	108	40	✓	✓	✓	✓	✓	✓
Steel	168	15	✓	✓	✓	✓	✓	✓
	168	40	✓	✓	✓	✓	✓	✓

Batt*1: Thickness = 50mm, Density 160kg/m³

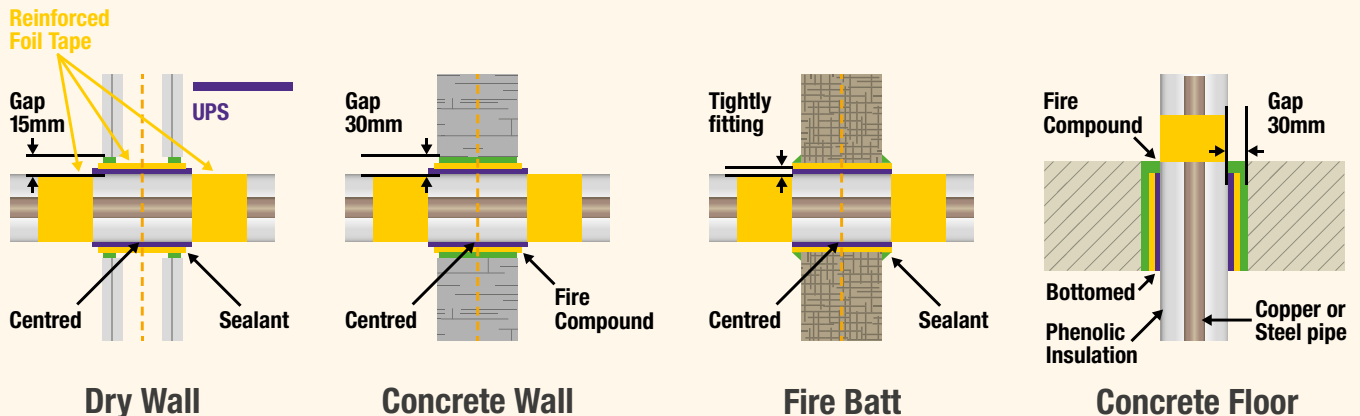
Batt*2: Thickness = 60mm, Density 180kg/m³

Batt*3: Thickness = 100mm <50mm*2>, Density 160kg/m³

*Terms and Condition

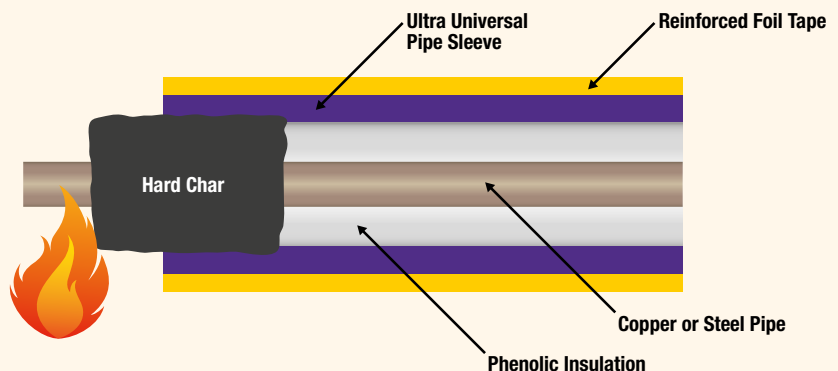
Applications: Installation for Insulated Pipe

Cross Section



The reinforced foil tape needs to be applied on the following locations.

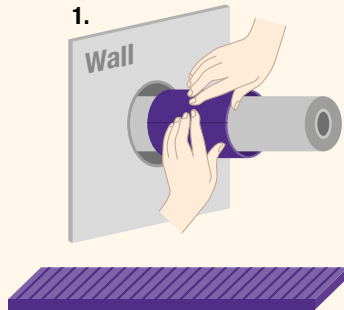
1. Over the UPS / intumescent wrap.
2. Directly over the phenolic tube itself at the both sides of the wall, upper side of floor.



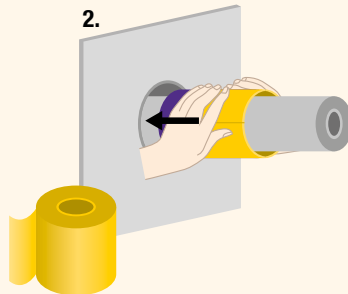
Applications: Universal Pipe Sleeve for Insulated Pipe

Ultra Universal Pipe Sleeve

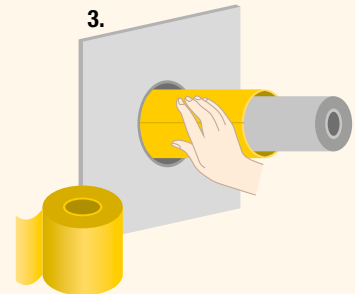
Reinforced Foil Tape



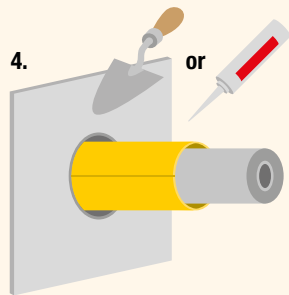
1. Apply the scored wrap over the tube.



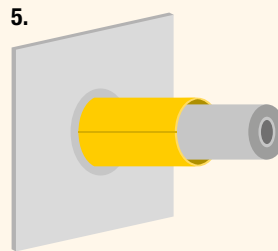
2. Tape around the wrap & slide it into the void.



3. Tape on tube at **both sides** of the wall.



4. Apply intumescent sealant / fire compound.

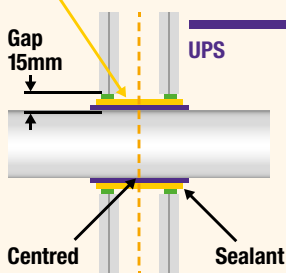


5. Job done!

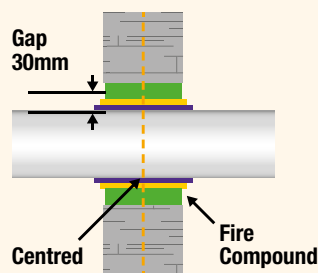
Applications: Ultra Universal Pipe Sleeve for Plastic Pipe

Cross Section

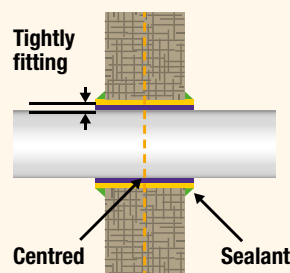
Reinforced Foil Tape



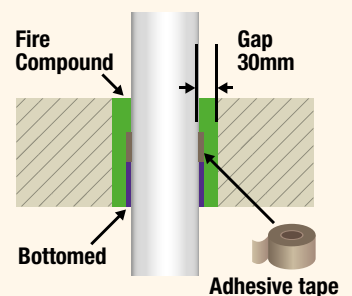
Dry Wall



Concrete Wall



Fire Batt



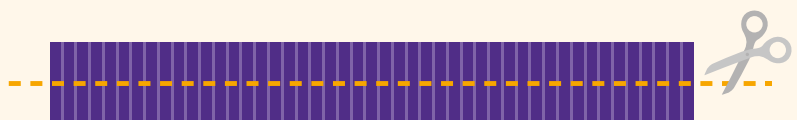
Concrete Floor

The reinforced foil tape needs to be applied on the following locations.

1. For Dry wall and Fire Batt, Over the intumescent wrap.

*For Concrete wall and Floor, No need for reinforced foil tape

- **Cut it in half for floor penetration.**
- **Even more *cost effective***



CAD Details: Simple and Easy to Install

ROCKWOOL®

Ultra Universal Pipe Sleeve can be used in conjunction with Rockwool ablative coated batts and loadbearing compound as a recognised system

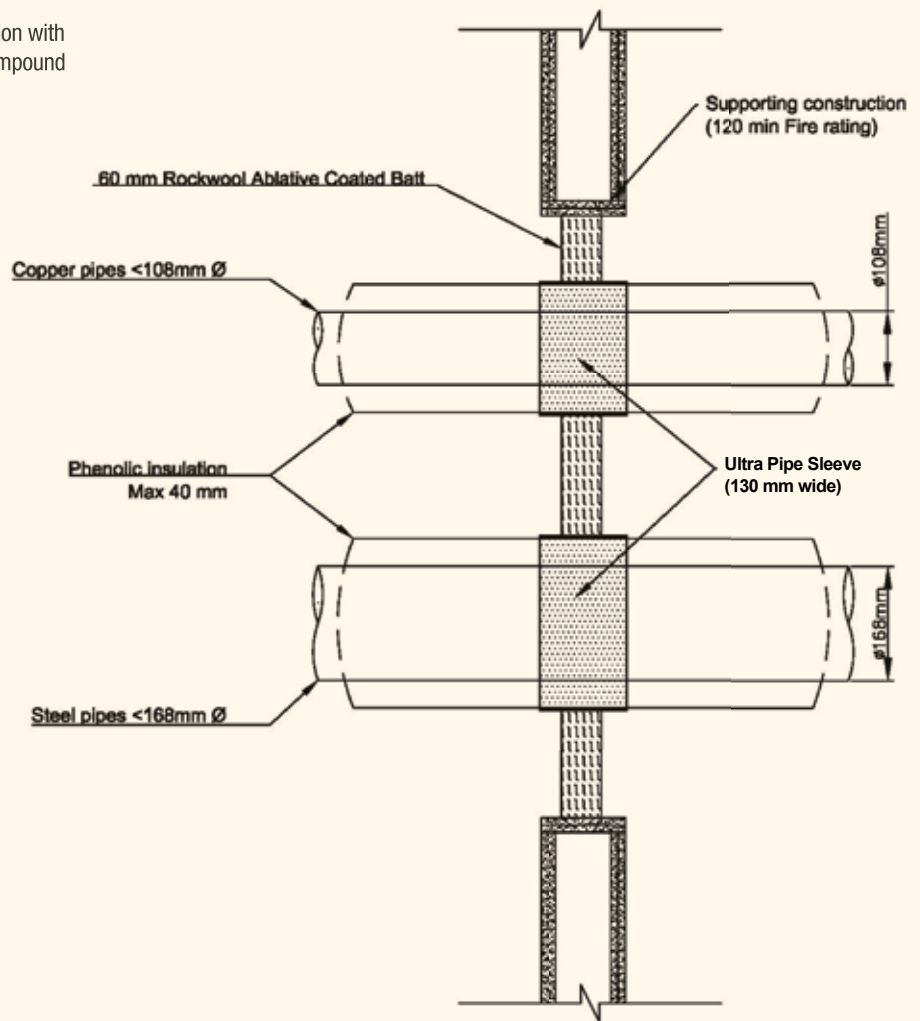
Testimonial

"SIG have brought to market a new and useful Universal Pipe Wrap and Sleeve, it has been tested on both plastic pipes and around some insulation materials as an integrity fire barrier, making it a handy versatile type of product. Rockwool have looked at the testing of this product in some detail, based on this we see it as suitable option solution for plastic pipes and some insulated pipes that pass through Rockwool coated batts"

"These are very often problem applications for firestopping purposes, and this seems to be a nice simple one stop type solution"

Bob Westcombe
Rockwool UK Fire
Protection Manager

ROCKWOOL®



Promat



Ultra Universal Pipe Wrap/ Sleeve can be used in conjunction with Promaseal Extra Strength Compound as a recognised system

