PIPE WRAPS

BRANZ Appraised
Appraisal No.1088 [2019]

Pipe wraps are designed to be installed in solid construction walls and floors and consist of a layer(s) of intumescent sealed in a polyethylene sleeve. The sleeve features a strip of double sided tape to enable easy installation.

When a fire occurs the intumescent seal is activated and expands into the penetration cavity as the burning plastic pipe melts. When the intumescent seal expands it forms a fire resistant plug in the penetration, preventing the spread of fire.

The pipe wrap is designed to have the ends of intumescent material meet around the circumference of the pipe. No overlap will exist, allowing pipe to be centrally located within a core hole. For pipe sizes up to 100mm, only one layer of intumescent material is required, ensuring core holes can be kept to a minimum size. Allproof pipe wraps have been tested on a variety of plastic pipes and are available in stock sizes from 40-150mm.

SUITABLE FOR FITTING WITHIN:

- Concrete, masonry and porous concrete wall constructions
- Concrete floor construction
- Plasterboard penetrations (with Fireband)

FEATURES:

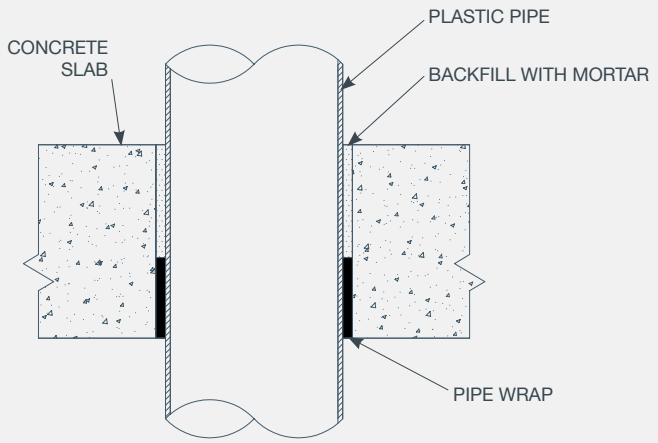
- Water resistant
- Advanced intumescent technology allows smaller core holes
- Simple to use - easy to install
- For use on various plastic pipes
- Removable “pipe wrap installed” label for pipe work/wall

INSTALLATION INSTRUCTIONS:

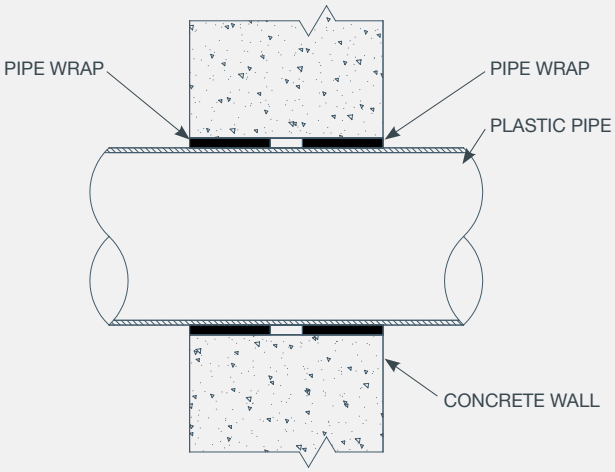
1. Position fire wrap around circumference of pipe and remove backing from the self adhesive strip and join ends together.
2. Slide wrap into position ensuring wrap is located entirely within depth of the wall or floor. For floor applications, the wrap should be flush with the underside of the floor. For wall applications, two wraps are required - one from each side; each wrap should be flush with the outside wall.
3. If there is a space between the concrete and the outer side of the wrap and above the wrap, backfill the space with mortar.
4. The polyethylene sleeve can be removed and intumescent strip taped in place if the core hole is very tight.
5. For plasterboard wall applications, an Allproof Fireband must be used.

CONCRETE INSTALLATION DETAILS:

CONCRETE FLOOR



CONCRETE WALL



PIPE WRAP TEST RESULTS:

NOMINAL PIPE SIZE (MM)	SLAB DEPTH (MM)	NOMINAL PIPE WALL THICKNESS (MM)	PRODUCT	PENETRATION HOLE SIZE (MM)	FLOOR FRL	FTC#	WALL FRL	FTC#
PVC PLASTIC PIPE								
40	150	2.0	FW40	62	-/120/120	644	-/120/120	717
50	150	2.2	FW50	72	-/120/120	615	-/120/120	615
65	150	2.7	FW65	87	-/180/180	642	-/120/120	716
80	150	2.9	FW80	102	-/120/120	615	-/180/180	610
100	150	3.2	FW100	127	-/120/120	642	-/180/120	610
150	150	4.5	FW150	192	-/90/90	608	-/120/120	614
HDPE PLASTIC PIPE								
50	150	3.0	FW50	67	-/120/120	609	-/120/120	614
56	150	3.0	FW50	73	-/120/120	11057		
63	150	3.0	FW65	80	-/120/120	11057		
75	150	3.0	FW65	92	-/120/120	609		
90	150	3.5	FW100	107	-/120/120	11057		
110	150	4.3	FW100	127	-/120/120	609		
150	120	6.2	FW150 + PR150*	192	-/180/180	692		
PP-R PLASTIC PIPE (SDR 7.4)								
40	150	5.5	FW40	57	-/120/120	609	-/180/180	610
75	150	10.3	FW80	92	-/120/120	609	-/180/180	610
110	150	15.1	FW100	127	-/120/120	609	-/120/120	614
125	150	17.1	FW125	152			-/180/180+	610
RAUPIANO PP-MD								
40	120	1.8	FW40	57	-/120/120	639		
50	120	1.8	FW50	67	-/120/120	639		

*0.9 Perforated ring fixed to underside of slab. Contact Allproof for details.
+ 75mm Wide Double Layer Pipe Wrap Used.