FR Pipe Wraps

Fire Rated Flexible Wraps PVC Pipes in FR Walls
Approved to EN1366.3 and AS1530.4(2005)

Technical Data Sheet

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KEY
BENEFITS

- Fire rates electrical and plumbing PVC pipes and conduits
- Easy to install and cost effective
- Use in floors and walls, including plasterboard
- Easy retrofit design
- Tested on uPVC, PP and ABS pipes
- Approved to EN1366.3 and AS1530.4(2005)

INTRODUCTION

BOSS FR Pipe Wraps are intumescent composition-based elastomeric thermoplastic polymers, designed to provide high volume expansion and pressure sealing around PVC pipes and insulated metal pipes. Tested systems includes PVC, Polypropylene, MDPE, HDPE, HPPE and ABS up to a size of 200mm diameter pipes through concrete / blockwork floors and walls as well as light weight partitions.

BENEFITS & FEATURES

✓ Suitable for wall and floor installation

✓ The product is based on a thermoplastic composite and is therefore non-toxic

✓ Halogen free, contains no asbestos, ceramic, mineral fibres and is environmentally friendly

✓ Not affected by fungus, vermin or rodents

✓ Remains flexible between -40^{0}C to +130^{0}C, long life and is easy to use

✓ BOSS FR Pipe Wraps are approved to multiple International Standards

✓ Test approvals up to 4hrs, with the highest FRL achieved is -/240/240, most applications FRL -/180/180 or /120/120

HOW DOES IT WORK

FR Pipe Wraps are flexible intumescent seals for fire protection of fire walls and floors penetrated by plastic pipes and insulated plastic or metal pipes. When a fire occurs the intumescent material swells, crushing the plastic pipe or insulation and filling the gap with fire resistant material.

In lightweight wall construction, plasterboard or hollow wall construction, a steel pipe band must be used with the pipe wrap.

PERFORMANCE

As the FR Pipe Wrap activates only in a fire it does not affect the performance or operation of the pipe in normal times. It is a simple to install, low maintenance solution for pipe penetrations seals in fire rated walls and floors. Note – like all fire stopping measures, installed FR Pipe Wraps must be properly maintained in accordance with the relevant Inspection & Testing Standard.

AS/NZ1530.4(2005) Performance:

Pipe Size (mm)	FRL
32	-/180/180
40	-/180/180
50	-/180/180
65	-/180/180
80	-/180/180
100	-/180/180
150	-/180/180

Under EN1366.3 FR Pipe Wraps can provide additional fire rating on PVC pipes with an FRL as follows:

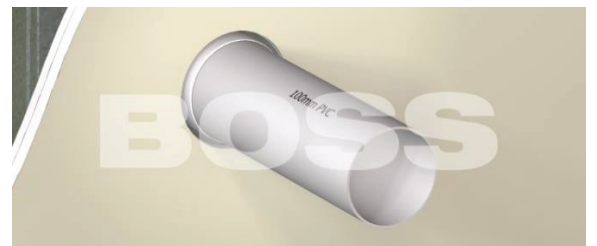| Pipe Size (mm)	FRL
50	-/240/240
65	-/240/240
80	-/240/240
100	-/240/240
150	-/240/240
200	-/240/240

INSTALLATION

1. Select wrap of relevant size to the pipe and place wrap around the pipe, with the ends overlapping each others.

2. Remove plastic backing from adhesive strip and secure with adhesive tape supplied.

3. Adjust the position of the wrap so that the edge is central within the wall or floor surface.

4. When installing into masonry floors, ensure the wrap in flush with the underside of the slab.

5. Fill annular gap with BOSS FireMastic-300 or BOSS FireMortar-360 to a depth of 5mm.

INSTALLATION CONTINUES

6. Pipe wrap and the pipe can be sealed with FireMastic-300.

7. Maintain record of installation on the relevant as-built drawings or base building firestop schedule.

HEALTH AND SAFETY

To learn more about the safe handling of Pipe Wraps, see the Material Safety Data Sheet available at www.bossfire.com.au.

LIMITATION

BOSS Fire & Safety Pty Ltd has provided the above technical information in good faith and to the best of its knowledge. This information was deemed to be correct at the time of publication. Should any data come to BOSS Fire & Safety's attention relating to the fire resistance or performance of the product described, BOSS Fire & Safety reserve the right to amend this report.

BOSS Fire & Safety strive to constantly improve and develop products so this information may change without notice.

FURTHER TECHNICAL INFORMATION

For additional technical information on the performance of FR Pipe Wraps or other BOSS products please contact our Technical Services team on:

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