BOSS

UNIVERSAL INTUMESCENT PIPE WRAP

TECHNICAL DATA SHEET

UniWrap®

EDITION: 5
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Universal intumescent pipe wrap for protecting combustible penetrations from fire.

CONTENTS

KEY BENEFITS

- Universal length for versatility and ease of installation
- Contains innovative high temp mesh for directional expansion
- Can be used on plastic/PVC pipes as well as insulated or lagged metal pipes
- High performance through high expansion rate
- Cost effective
- Carry one product, not a different product for each size pipe

1. INTRODUCTION

UniWrap® is designed and tested to seal service penetration apertures containing plastic and metallic pipes with insulation, using thermoplastic composites based on graphite intumescent technology. Developed to provide a high volume expansion and pressure seal during a fire, UniWrap® is approved in a wide variety of substrates.

UniWrap® has approvals in the following substrates:

- FR Plasterboard walls
- Concrete & Masonry walls
- BOSS Batt
- AAC / Hebel
- Speedpanel
- Pronto Panel
- Supapanel
- Concrete floor slabs

Approvals for a wide variety of services:

- uPVC Pipes
- cPVC Sprinkler Pipes
- Lagged Steel, Copper & Iron Pipes with Thermobreak® Pipe Insulation
- Steel Sprinkler Pipes
- PEX Water Pipes

2. SPECIFICATIONS

- Approvals for walls, floors and ceilings.

- Causes no known effects to plastic pipes.

- 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 or mineral fibres.

- Not affected by fungus, vermin or rodents.

Width (Nominal)	40mm
Thickness (Nominal)	2mm per layer
Density	1.3 kg/m^3
Volume Expansion at 450°C	Approximately 25 times
Fire Resistance	Up to 2 hours

3. PERFORMANCE SPECIFICATIONS

UniWrap® has an extensive array of fire approvals including AS1530.4: 2014, AS4072.1-2005 & EN1366 offering up to FRL -/120/120.

⚠️ **IMPORTANT:** In order to ensure performance and compliance, passive firestopping products must be installed in accordance with the test evidence, manufacturer's specifications or be the subject of a performance solution.

Each project and/or application may have specific requirements and you should investigate these carefully.

Ensure that you read and understand the appropriate certification and how it relates to your specific construction details, and ensure you seek acceptance from the Certifying Authority or compliance inspector before installation.

Ensure your installation is carried out in accordance with the test certification, manufacturer's instructions, and in accordance with the relevant local building regulations, National Construction Code or Building Code.

For updates on the range of BOSS Fire® certification, please contact BOSS Technical Services. **AU:** 1300 502 677 **NZ:** 0800 502 677 **Int:** +61 2 9524 4040 **Email:** info@bossfire.com

4. BOSS FIRE SYSTEM MATRIX

For specific summary information on the approved systems relevant to **UniWrap®** please refer to the **BOSS Fire System Matrix**. The **BOSS Fire System Matrix** is a filterable summary document containing information to help select the appropriate system relevant to your building application. Associated Test and Assessment Reports are also available for download from the Resources page at bossfire.com/resources.
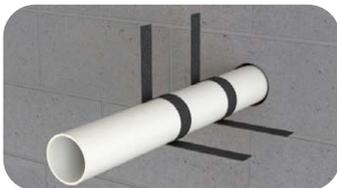
5. INSTALLATION

1. Check and ensure that your application is in accordance with the certified / approved system.

2. Ensure the aperture for the pipe size has adequate annular gap for the number of layers of UniWrap® to be installed, as per the appropriate approved system. Using the measurements on the side of UniWrap® box, cut the UniWrap® to the correct length to wrap fully around the pipe or insulation.

3. Where required cut metal sleeve to the appropriate thickness of the wall and place in the aperture forming to the same diameter as the aperture. (Refer to Performance specifications for details). Wrap the UniWrap® around the pipe or insulation, securing to itself via the double sided tape. For a simpler installation ensure the double sided tape does not stick the UniWrap® to the pipe / insulation itself.

4. Place additional layer(s) of wrap around the pipe or insulation if required, depending on your pipe or insulation size, and secure again with adhesive tape.

5. Push the UniWrap® into the annular gap between the wall opening and the pipe. Adjust the position of the wrap so that the edge is in line with the wall or floor surface on both sides. Seal over the top of the annular gap with FireMastic-300 in accordance with the approved system application.

6. Maintain record of installation and label in accordance with local government and building regulations as required.

6. HEALTH AND SAFETY

To learn more about the safe handling of **UniWrap**®, see the Safety Data Sheet available at bossfire.com

7. IS THIS PUBLICATION CURRENT?

This document may be superseded by new versions. If you are unsure of whether or not this document is a current publication, please contact us. **AU:** 1300 502 677 **NZ:** 0800 502 677 **Int:** +61 2 9524 4040 **Email:** info@bossfire.com

8. LIMITATION

BOSS Passive Fire 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 Passive Fire's attention relating to the fire resistance or performance of the product described BOSS Passive Fire reserve the right to amend this report.

BOSS Passive Fire strive to constantly improve and develop products so this information may change without notice.
The information contained herein has been developed as a guide only and it does not constitute a guarantee of compliance of all applications. Each project and/or application may have specific requirements and you should investigate these carefully. Ensure that you have read and understood the appropriate certification relative to your needs, and ensure you seek acceptance from the Certifying Authority or compliance inspector before installation. For updates on the range of BOSS Fire® certification, please contact BOSS Technical Services. **AU:** 1300 502 677 **NZ:** 0800 502 677 **Int:** +61 2 9524 4040 **Email:** info@bossfire.com

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Further Information

For additional technical information on the performance of **UniWrap**®, other **BOSS Fire**® products or any other **BOSS Fire**® related information please contact us on:

AU: 1300 502 677
NZ: 0800 502 677

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