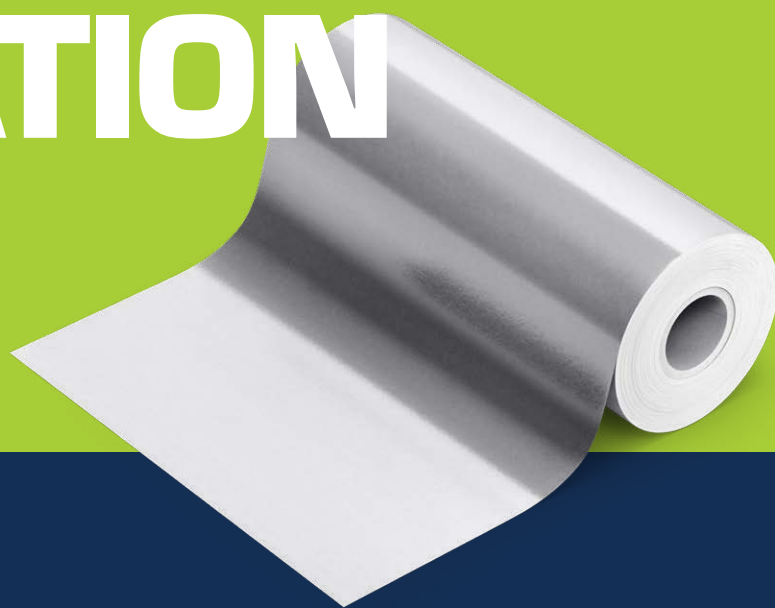


ULTRA- THIN HIGH PERFORMANCE INSULATION WRAP



TECHNICAL DATA SHEET

Thermal Defence Wrap™

EDITION: 6

PUBLISHED: DECEMBER 2025

APPROVED TO AS1530.4: 2014 & AS4072.1-2005

Ultra-thin high performance insulation wrap
for service penetrations.



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KEY BENEFITS

- Provides excellent insulation to services off the penetration seal
- Ultra-thin wrap, ideal for tight spaces
- Speed and ease of installation
- Easy to wrap, shape and cut
- High level of insulation, high temperature stability
- Approved to AS1530.4: 2014 & AS4072.1-2005

1. INTRODUCTION

Thermal Defence Wrap™ is designed to maintain necessary insulation on metal or heat conductive services and prevent temperature rise of services that pass through a fire rated compartment during a fire.

The BOSS Thermal Defence System consists of 2 elements:

1. Thermal Defence Wrap™ (TDW) installed around the penetrating services, and
2. An aperture seal of either BOSS FireMastic-300™, FireSilicone-EMA™, UniWrap® and for oversized apertures BOSS Batts™ or BOSS Fire Pillows™.



2. APPLICATION

The BOSS Thermal Defence System is designed for maintaining compartmentalisation where services, such as cables and metal pipes, penetrate fire rated walls and floors offering up to 2 hours insulation.

BOSS proven passive products provide excellent protection, both in maintaining the integrity of the fire rated seal and also in insulating the service.

Thermal Defence Wrap™ can be used to insulate:

- Power Cables
- Telecommunications Cables
- Cable trays
- Steel Copper & Iron Pipes
- Lagged Steel, Copper & Iron Pipes with Thermobreak® Lagging

Thermal Defence Wrap™ is suitable for use in any building which has single or multiple services penetrating fire rated compartment walls and floors. Typical building projects include:

- Retail stores and shopping centres
- Residential apartments
- Commercial buildings



3. PHYSICAL SPECIFICATIONS

Product Code	Dimensions
TD-300	300mm Wide x 10m Roll
TD-600	610mm Wide x 10m Roll

4. PERFORMANCE SPECIFICATIONS

Thermal Defence Wrap™ has approvals to AS1530.4: 2014 and AS4072.1-2005 for a variety of applications, insulating heat-conductive services for up to 120 minutes. Applications include lagged steel, copper & iron pipes, steel sprinkler pipes, mains power cables, TPS circuit cables, telecommunications cables and cable trays.



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**

5. BOSS FIRE SYSTEM MATRIX

For specific summary information on the approved systems relevant to **Thermal Defence Wrap™** 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.



6. HEALTH AND SAFETY

To learn more about the safe handling of **Thermal Defence Wrap™**, 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**



Further Information

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



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NZ: 0800 502 677



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