



**Agnitek**<sup>®</sup>  
FIRE RATED TECHNOLOGY

YOUR MANUFACTURER  
OF PASSIVE FIRE  
SOLUTIONS.



## Who We Are

Agnitek is an Australian-owned and Australian-based manufacturer of fire-rated AGNI-Products and AGNI-Systems.

### Our Vision



In Agnitek we are convinced that

**“More tested AGNI-SYSTEMS = More reliable fire-rated systems”.**



This statement comes alongside a technology-driven approach to the work and years of experience.



At Agnitek we aim to simplify installers' experience by leveraging graphite technology and advanced engineering.



We understand the challenges industry stakeholders face every day and aim to provide **COST-EFFECTIVE, RELIABLE, and EASY-TO-INSTALL fire-rated solutions.**

## We Test

At Agnitek, we're committed to going the extra mile to:

■ RESEARCH  
 ■ DEVELOP  
 ■ TEST INNOVATIVE FIRE-RATED SOLUTIONS - AGNI-SYSTEMS

Our commitment extends to providing specifiers and installers technical support, complete with clear installation instructions, compliance evidence, and assistance from our team.

All Agnitek testing is undertaken at accredited, impartial, third-party fire resistance testing laboratories. AGNI-Systems are tested to the latest 2014 revision of AS1530.4 to comply with AS4072.1-2005 and the Australian NCC.

**All tests are conducted to achieve up to -/120/120 and higher FRL for services installed through walls, floors, and ceilings in the following substrates:**

- 1-hour fire-rated plasterboard walls & ceilings
- 2-hour fire-rated plasterboard walls
- Concrete
- Blockwork
- CLT
- Hebel
- Shaftwall



**AGNI-Box<sup>®</sup>** is a rectangular-shaped steel transit box engineered to offer robust protection for bundles of pipes and cables passing through a single fire-protection enclosure. AGNI-Box FR systems are designed to simplify installation and reduce the cost of construction projects.



**AGNI-Black** is a high-pressure-exerting intumescent sealant designed to prevent the spread of fire through openings in fire-rated walls and floors. When exposed to high temperatures, it expands and closes openings around service penetrations, forming a dense char plug.



**AGNI-Sleeve<sup>®</sup>** is a fire-stopping product consisting of matting bonded to a layer of high-pressure exerting intumescent material. It is a perfect solution for remediation projects as it can be installed from above only / below only in a concrete floor/ceiling.





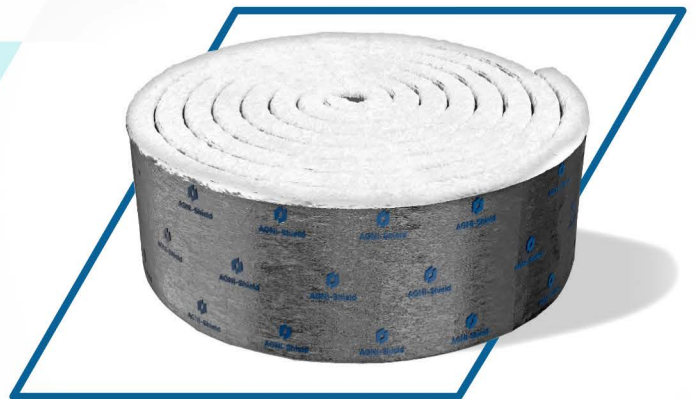
**AGNI-Wrap 50<sup>®</sup>** is a universal flexible composite intumescent strip. It is installed around services to create a circular fire-stopping wrap seal for various service penetrations that pass through fire compartment walls, floors and ceilings.



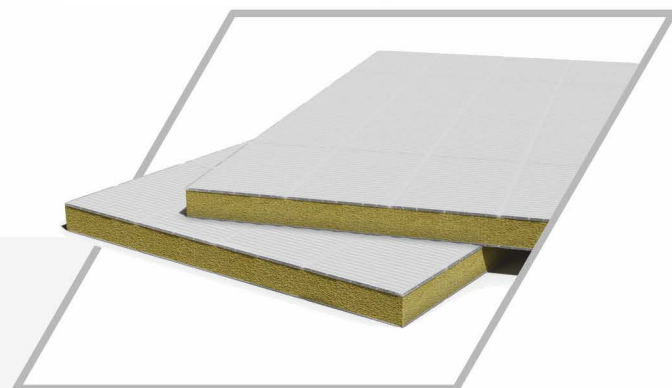
**AGNI-Seal<sup>®</sup>** is a fire-rated, water-based acrylic sealant for indoor and outdoor use. AGNI-Seal slightly expands to create a solid plug when exposed to fire, effectively blocking fire spread through openings or gaps in a fire-separating element.



**AGNI-Shield<sup>®</sup>** is a 13mm thick, fire-resistant insulating blanket of flexible fibrous matting bonded to a foil layer. It is used to wrap penetrating services such as metal pipes, insulated services, cable trays, and AGNI-Box systems.



**AGNI-Board<sup>®</sup>** is a rigid mineral fibre board coated with AGNI-Coat ablative sealant on both sides to reduce the permeability of the mineral fibre and restrict the passage of smoke and hot gasses. AGNI-Board is certified to be installed as a blank penetration seal system.



# AGNI-System

Agnitek conducts a comprehensive testing program to expand the AGNI-Systems Database as quickly as possible. After each test, our team creates a technical document for every certified AGNI-System.

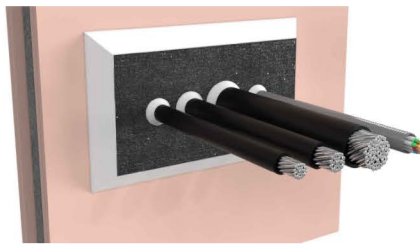
This document, called "AGNI-System Tech Drawing", includes:

-  system number
-  technical drawing
-  compliance reference
-  other essential details for precise specification and easy installation on-site.
-  installation instructions
-  3D image

## AGNI-System №ABX-126

### Step-by-step installation instructions:

1. Build 64mm steel stud frame (300mm wide x 151mm high) in the centre of the cavity for a tight fit of the AGNI-Box.
2. Install and secure the AGNI-Box to the steel stud frame through predrilled holes, using 41mm screws on each of the four sides of the AGNI-Box.
3. Make a 50mm x 50mm AGNI-Seal cone/fillet around the edges of the AGNI-Box.
4. Insert the services into the AGNI-Box.
5. Cut the foam to friction fit around the services.
6. Apply AGNI-Seal (10mm nominal) to seal between the services and foam face of AGNI-Box.

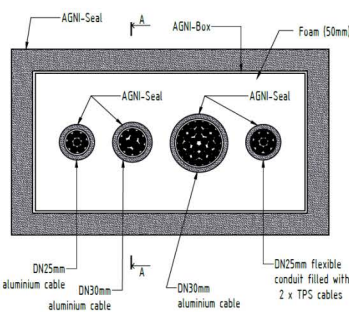


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### Technical Information

System ID	ABX-126
Substrate	<ul style="list-style-type: none"> <li>• Min. 64mm steel / timber stud wall with a minimum of two layers of 13mm (or greater) FR plasterboard on each side, with or without insulation.</li> <li>• Min. 116mm concrete wall/masonry wall/block wall</li> </ul>
AGNI-Box services	25mm x aluminium cable 30mm x aluminium cable 50mm x aluminium cable DN25mm flexible conduit filled with 2 x TPS cables
Annular gap	0 - 5mm
AGNI-Products	AGNI-Box, AGNI-Seal
Protection installation	Both sides of the wall

Disclaimer: Agnitek reserves the right to modify product specifications without prior notice due to its ongoing research, development & certification programme. The accompanying drawings are solely for illustrative purposes. Since Agnitek cannot oversee installation methods or ensure site conditions, no warranties, expressed or implied, are intended regarding the products' actual performance. We do not accept liability for any loss, damage, or injury from using this information. Please take a look at the test reports displayed on a relevant AGNI-System webpage for all compliance specifics.

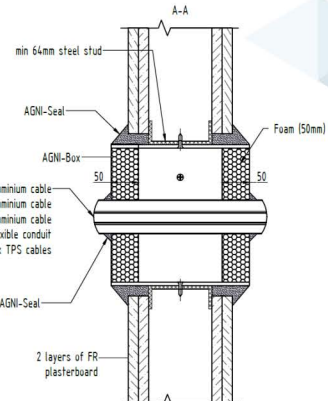


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### Compliance Information

Standards	AS1530.4:2014, AS4072.1-2005
AGNI-Box system FRL/FRR	-/120/90
AGNI-Box services FRL/FRR	25mm x aluminium cable -/120/90 30mm x aluminium cable -/120/90 50mm x aluminium cable -/120/90 DN25mm flexible conduit filled with 2 x TPS cables -/120/90
Reference	PF24110

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Date 01.01.2025