

POW/A Group



Agnitek®

AGNI-Box®

*Designed to Simplify Installation
& Reduce Costs!*

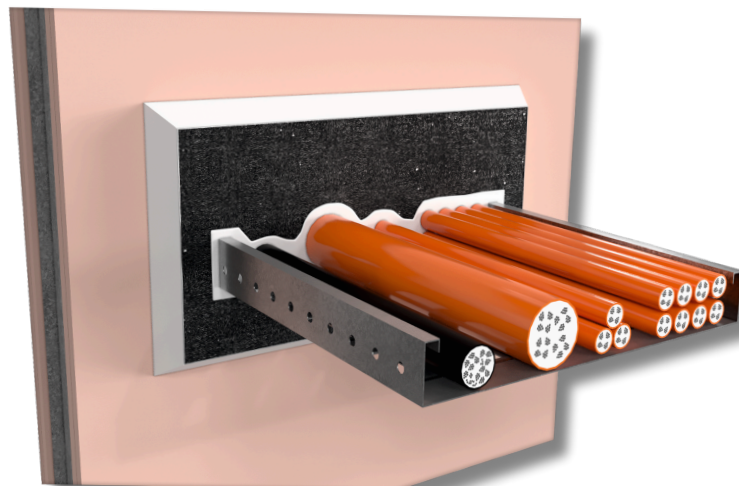


PRODUCT DESCRIPTION

The AGNI-Box is a rectangular steel transit box with heat-activated intumescent material and foam on both sides. It is designed and rigorously tested to prevent fire from spreading through service line openings.

AGNI-Box systems have been certified as effective fire-stopping solutions that allow the safe passage of pipes, cables, insulated pair coils, and other services through fire-rated walls while preserving the wall's fire resistance.

AGNI-Box systems compliance evidence supports the standard and modular installation designs, which provide fire-rated solutions adaptable to diverse construction needs.



PRODUCT CHARACTERISTICS

1. Tested to AS1530.4-2014 and comply with AS4072.1-2005 in impartial, third-party accredited testing laboratories.
2. Compliant with the latest Australian NCC and New Zealand BC for fire resistance requirements.
3. Achieved FRL/FRR up to -/120/120.
4. Tested in standard and modular configurations.
5. Tested with and without AGNI-Shield (insulation wrapping).
6. The services can be added at any time after installation.
7. Easy-to-install fire-stopping solution.
8. Environmentally friendly product.

APPLICATION

Certified substrates:

Tested and certified to be installed in concrete, masonry, block work & plasterboard walls.

Tested with:

Plastic pipes: uPVC, CPVC, PP-R, PEX pipes.

Composite pipes: PEX-AL-PEX pipes.

Metal pipes: Insulated and non-insulated copper pipes and steel pipes.

Electrical: D1 & D2 cable configurations, conduits, and cable bundles (TPS, data, alarm, aluminium cables).

HVAC: Bundles of FR/PE insulated pair coils, including condensate pipes (PVC-U) and TPS cables.



TECHNICAL DATA

Width & height	300mm x 150mm (nominal)
Certification	AS1530.4 Section 10 & AS4072.1
Intumescent	2 x layers of 3.5mm thick strips
Foam thickness	50mm
Colour & shape	Black rectangular box
Storage	Storage in temperature between -15 °C and 45 °C
Life span	35 years +

AGNI-BOX® SYSTEMS CONFIGURATION

AGNI-Box® was tested in a 1-hour fire-rated plasterboard wall.

Any multi-combination of tested and certified services passing through the AGNI-Box® will achieve and FRL/FRR by the least performing service listed below.

AGNI-Product	WALLS with Min. 90mm thickness	SERVICE (s)	FRL with AGNI SHIELD	FRL without AGNI-SHIELD	COMPLIANCE REFERENCE
AGNI-Box®	<ul style="list-style-type: none"> • 1 x layers of 13mm plasterboard each side & 64mm steel/timber stud • Concrete • Solid or hollow masonry 	HVAC			
		Up to 3 x FR (nitrile butadiene rubber) pair coils – up to 9/16mm insulated copper pipes	-/60/60	-/60/60	PF24097 PF24099
		Up to 3 x DN20mm PVC-U pipes	-/60/60	-/60/60	PF24097
		Up to 25 x TPS cables	-/60/60	-/60/60	PF24097
		Up to 9 x DN20mm uPVC electrical conduits	-/60/60	-	PF24099
		Up to 9 x PE pair coils	-/60/60	-	PF24099,
		Up to 3 x PE pair coils	-/60/60	-/60/60	PF24127
		Metal pipes			
		Up to DN 40mm steel pipe	-/60/60	-/60/60	PF24110, PF24126
		DN 60mm steel pipe	-/60/60	-/60/60	PF24126, PF24110
		Up to DN25mm copper pipes, without lagging	-/60/60	-/60/60	PF24110 PF24126
		Up to DN25mm copper pipes with Armaflex lagging	-/60/60	-/60/60	PF24126
		Up to DN50mm copper pipes without lagging	-/60/60	-/60/30	PF24126, PF24110
		Up to DN50mm copper pipes with Armaflex lagging	-/60/60	-/60/60	PF24126
		Plastic pipes			
		Up to DN25mm PEX-AL-PEX pipes	-/60/60	-/60/60	PF24110, PF24099
		Up to DN32mm PEX-AL-PEX pipes	-/60/60	-/60/-	PF24097, PF24099
		Up to DN16mm PEX pipes	-/60/60	-/60/60	PF24110, PF24099
		Up to DN40mm PEX pipes	-/60/60	-/60/-	PF24097, PF24099
		Up to DN50mm PVC-U pipe	-/60/60	-/60/60	PF24126, PF24110
		Up to DN32mm PP-R pipes	-/60/60	-/60/60	PF24126
		Up to DN32mm C-PVC pipes	-/60/60	-/60/60	PF24126
		Kelox with up to 50mm (OD), with lagging	-/60/60	-/60/60	PF24127
		Kelox with up to 50mm (OD), without lagging	-/60/60	-/60/60	PF24127

AGNI-BOX® SYSTEMS CONFIGURATION

AGNI-Box®	<ul style="list-style-type: none"> • 1 x layer of 13mm plasterboard each side & 64mm steel/timber stud • Concrete • Solid or hollow masonry 	Electrical cables & cable bundles			
		D1 cable configuration	-/60/60	-/60/60	PF24110
		D2 cable configuration	-/60/60	-	PF24099
		Up to 25 alarm cables	-/60/60	-/60/60	PF24097, PF24126
		Up to 25 data cables	-/60/60	-/60/60	PF24097, PF24126
		Up to 25 TPS cables	-/60/60	-/60/60	PF24126, PF24097
		Multicore Aluminium cables up to 50mm (OD)	-/60/60	-/60/60	PF24126, PF24110
		Up to DN50mm flexible conduit with up to 6 x TPS cables	-/60/60	-/60/60	PF24110, PF24126

AGNI-Box® was tested in a 2-hour fire-rated plasterboard wall.

Any multi-combination of tested and certified services passing through the AGNI-Box® will achieve and FRL/FRR by the least performing service listed below.

AGNI-Product	WALLS with min. 116mm thickness	SERVICE (s)	FRL with AGNI SHIELD	FRL without AGNI-SHIELD	COMPLIANCE REFERENCE
AGNI-Box®	<ul style="list-style-type: none"> • 2 x layers of 13mm plasterboard each side & 64mm steel/timber stud • Concrete • Solid or hollow masonry 	HVAC			
		Up to 3 x FR (nitrile butadiene rubber) pair coils – up to 9/16mm insulated copper pipes	-/120/120	-/120/90	PF24097, PF24099
		Up to 3 x DN20mm PVC-U pipes	-/120/120	-/120/120	PF24097
		Up to 25 x TPS cables	-/120/120	-/120/120	PF24097
		Up to 9 x DN20mm uPVC electrical conduits	-/90/90	-	PF24099
		Up to 9 x PE pair coils	-/90/90	-	PF24099,
		Up to 3 x PE pair coils	-/90/90	-/90/90	PF24127
		Metal pipes			
		Up to DN 40mm steel pipe	-/120/120	-/120/90	PF24110, PF24126
		DN 60mm steel pipe	-/120/120	-/120/60	PF24126, PF24110
		Up to DN25mm copper pipes, without lagging	-/120/120	-/120/60	PF24110, PF24126
		Up to DN25mm copper pipes with Armaflex lagging	-/120/120	-/120/90	PF24126
		Up to DN50mm copper pipes without lagging	-/120/120	-/120/30	PF24126, PF24110
		Up to DN50mm copper pipes with Armaflex lagging	-/120/120	-/120/90	PF24126

AGNI-BOX® SYSTEMS CONFIGURATION

AGNI-Box®	<ul style="list-style-type: none"> • 2 x layers of 13mm plasterboard each side & 64mm steel/timber stud • Concrete • Solid or hollow masonry 	Plastic pipes			
		Up to DN 25mm PEX-AL-PEX pipes	-/120/120	-/90/60	PF24110, PF24099
		Up to DN 32mm PEX-AL-PEX pipes	-/120/120	-/120/-	PF24097, PF24099
		Up to DN 16mm PEX pipes	-/120/120	-/90/90	PF24110, PF24099
		Up to DN 40mm PEX pipes	-/120/120	-/120/-	PF24097, PF24099
		Up to DN 50mm PVC-U pipe	-/120/120	-/120/120	PF24126, PF24110
		Up to DN 32mm PP-R pipes	-/120/120	-/120/120	PF24126
		Up to DN 32mm C-PVC pipes	-/120/120	-/120/120	PF24126
		Kelox with up to 50mm (OD), with lagging	-/90/90	-/90/90	PF24127
		Kelox with up to 50mm (OD), without lagging	-/90/90	-/90/60	PF24127
		Electrical cables & cable bundles			
		D1 cable configuration	-/120/120	-/120/90	PF24110
		D2 cable configuration	-/120/120	-	PF24099
		Up to 25 alarm cables	-/120/120	-/120/90	PF24097, PF24126
		Up to 25 data cables	-/120/120	-/120/90	PF24097, PF24126
		Up to 25 TPS cables	-/120/120	-/120/120	PF24126, PF24097
		Multicore Aluminium cables up to 50mm (OD)	-/120/120	-/120/90	PF24126, PF24110
		Up to DN 50mm flexible conduit with up to 6 x TPS cables	-/120/120	-/120/120	PF24110, PF24126