

AGNI-Black[®]

DESCRIPTION

AGNI-Black is a high-pressure-exerting intumescent sealant designed to prevent the spread of fire, smoke, and gases through openings in fire-rated walls and floors. When exposed to high temperatures, AGNI-Black expands and closes openings around service penetrations, forming a dense char plug. This intumescent plug stays intact, maintaining the integrity of the fire-rated barrier.

PRODUCT CHARACTERISTICS

- Tested to AS1530.4 and compliant with AS4072.1-2005.
- Offers FRL/FRR up to -/120/120.
- Can be used in combination with AGNI-Wrap 50.
- Tested in AGNI-Plumbing systems for PEX, PEX-AL-PEX and PB pipes fire-stopping.
- Tested in AGNI-HVAC systems for pair coils fire stopping.
- Tested with maximum annular gaps up to 16mm.
- Expands up to 40 times.
- Easily applied, smoothed, and finished.
- Environmentally friendly fire-stopping solution.
- Work on the following surfaces: plasterboard, concrete, masonry, block work.
- No priming is necessary for the application to most materials.
- Suitable for internal applications.
- Proudly manufactured in Australia.



APPLICATION

AGNI-Black is used for:

- Fire-stopping of pair coils, single cables, cable bundles and pipe penetrations. It can be used as a sole system or with other AGNI products.
- Smoke sealing around service penetrations.

TECHNICAL DATA

Expansion rate	40 times
Storage	12 months stored in unopened cartridges
Working life	30 years
Colour	Black
Condition	Ready for use graphite sealant
Compatibility	Suitable for use with plasterboard, concrete, masonry, block work
Service temp.	-15°C to 75°C
Packaging	Box containing 25 cartridges, each 310ml

The AGNI-Black[®] Application Range.

SUBSTRATE	SERVICE (s)	FRL	OTHER AGNI-PRODUCTS	AGNI-SYSTEM #	COMPLIANCE REFERENCE
<ul style="list-style-type: none"> • Min. 1 x layer of 13mm FR plasterboard on each side of the wall • Min 90mm concrete wall • Min 90mm masonry wall <ul style="list-style-type: none"> • Min. 1 x layer of 13mm FR plasterboard each side of the wall • Min 90mm concrete wall • Min 90mm masonry wall 	PEX pipes				
	DN16mm PEX pipe	-/60/60	-	AP-026	PF24143
	DN25mm PEX pipe	-/60/60	AGNI-Wrap	AP-234	PF25042
	DN25mm PEX pipe	-/60/45	-	AP-026	PF24143
	DN32mm PEX pipe	-/60/60	AGNI-Wrap	AP-234	PF25042
	DN32mm PEX pipe	-/60/15	-	AP-026	PF24143
	AC Bundles				
	1 x FR pair coil	-/60/60	-	AE141	PF24143
	1 x PE pair coil	-/60/45	-	AE141	PF24143
	FR pair coil + 1 x TPS cable + DN20 uPVC pipe	-/60/60	-	AE-143	PF24143
	1 x PE pair coil + 1 x TPS cable (BOTH SIDES)	-/60/60	AGNI-Seal	AE-131	PF24102
	1 x PE pair coil + 1 x TPS cable (FIRE SIDE ONLY)	-/60/60	AGNI-Seal	AE-131	PF24102
	1 x PE pair coil + 1 x TPS cable (NON-FIRE SIDE ONLY)	-/60/60	AGNI-Seal	AE-131	PF24102
	2 x PE pair coil + 2 x TPS cables (BOTH SIDES)	-/60/60	AGNI-Seal	AE-130	PF24102
	2 x PE pair coil + 2 x TPS cable (FIRE SIDE ONLY)	-/60/60	AGNI-Seal	AE-130	PF24102

The AGNI-Black[®] Application Range.

SUBSTRATE	SERVICE (s)	FRL	OTHER AGNI-PRODUCTS	AGNI-SYSTEM #	COMPLIANCE REFERENCE
<ul style="list-style-type: none"> • Min. 1 x layer of 13mm FR plasterboard on each side of the wall • Min 90mm concrete wall • Min 90mm masonry wall 	2 x PE pair coil + 2 x TPS cable (NON-FIRE SIDE ONLY)	-/60/60	AGNI-Seal	AE-130	PF24102
	PEX-AL-PEX pipes				
	DN16mm PEX-AL—PEX pipe	-/60/60	-	AP-006	PF24143
	DN25mm PEX-AL—PEX pipe	-/60/60	-	AP-006	PF24143
	DN32mm PEX-AL—PEX pipe	-/60/60	-	AP-006	PF24143
	Electric cables				
	10 x TPS cables	-/60/60	-	AE-231	PF25042
	4.8MM Optic cable	-/60/60	-	AE-232	PF25042
	30mm Copper cable	-/60/60	-	AE-230	PF25042
	<ul style="list-style-type: none"> • 2 x layers of 13mm FR plasterboard wall on each side of the wall • Min 116mm concrete wall • Min 116mm masonry wall 	PEX pipes			
DN16mm PEX pipes		-/120/120	-	AP-112	PF24144
DN25mm PEX pipe		-/120/120	-	AP-112	PF24144
DN32mm PEX pipe		-/120/120	-	AP-112	PF24144
PEX-AL-PEX pipes					
DN16mm PEX-AL-PEX pipes		-/120/120	-	AP-113	PF24144
DN25mm PEX-AL-PEX pipes		-/120/120	-	AP-113	PF24144

The AGNI-Black[®] Application Range.

SUBSTRATE	SERVICE (s)	FRL	OTHER AGNI-PRODUCTS	AGNI-SYSTEM #	COMPLIANCE REFERENCE
<ul style="list-style-type: none"> • 2 x layers of 13mm FR plasterboard wall on each side of the wall • Min 116mm concrete wall • Min 116mm masonry wall 	DN32mm PEX-AL-PEX pipes	-/120/120	-	AP-113	PF24144
	PEX-AL-PEX pipes				
	DN16mm PEX-AL-PEX pipes	-/120/120	-	AP-113	PF24144
	DN25mm PEX-AL-PEX pipes	-/120/120	-	AP-113	PF24144
	DN32mm PEX-AL-PEX pipes	-/120/120	-	AP-113	PF24144
	Polybutylene pipes (PB)				
	DN15mm PB pipe	-/120/120	-	AP-114	PF24101
	DN22mm PB pipe	-/120/120	-	AP-114	PF24101
	DN28mm PB pipe	-/120/120	-	AP-114	PF24101
	AC Bundles				
	1 x FR pair coil	-/120/120	-	AE-141	PF24144
	1 x PE pair coil	-/120/60	-	AP-114	PF24101
	1 x FR pair coil + electrical cable + DN25 uPVC pipe	-/120/120	-	AE-143	PF24144
	<ul style="list-style-type: none"> • Min 75mm Hebel wall 	AC Bundles			
1 x PE pair coil + TPS Cable + 20mm Condensate Pipe		-/120/60	AGNI-Wrap	AE-173	PF24145

The AGNI-Black[®] Application Range.

SUBSTRATE	SERVICE (s)	FRL	OTHER AGNI-PRODUCTS	AGNI-SYSTEM #	COMPLIANCE REFERENCE
• Min 75mm Hebel wall	1 x FR pair coil + TPS cable + 20mm condensate pipe	-/120/120	AGNI-Wrap	AE-173	PF24145
	PEX pipes				
	DN25mm PEX pipe	-/120/120	AGNI-Wrap	AP-174	PF24145
• Min. 25mm Shaftliner & 1 x layer of 16mm FR plasterboard wall • Min. 25mm Shaftliner & 1 x layer of 16mm FR plasterboard wall	AC Bundles				
	1 x FR pair coil + TPS cable + 20mm condensate pipe	-/60/60	AGNI-Wrap	AE-185	PF24146
	1 x PE pair coil + TPS cable + 20mm condensate pipe	-/60/60	AGNI-Wrap	AE-185	PF24146
	PEX pipes				
	DN16mm PEX pipe	-/60/60	AGNI-Wrap	AP-210	PF25006
	DN20mm PEX pipe	-/60/60	AGNI-Wrap	AP-210	PF25006
	DN25mm PEX pipe	-/60/60	AGNI-Wrap	AP-210	PF25006
	PVC-U conduit pipes				
	DN25mm uPVC rigid conduit filled with 3 x Data cables + 3 x Alarm cables + 3 x 4.8mm Optic cables	-/60/60	AGNI-Wrap	AP-212	PF25006
	PVC-U pipes				
	DN25mm PVC—U pipe	-/60/60	AGNI-Wrap	AP-213	PF25006