

# AGNI-Wrap<sup>®</sup>

## PRODUCT DESCRIPTION

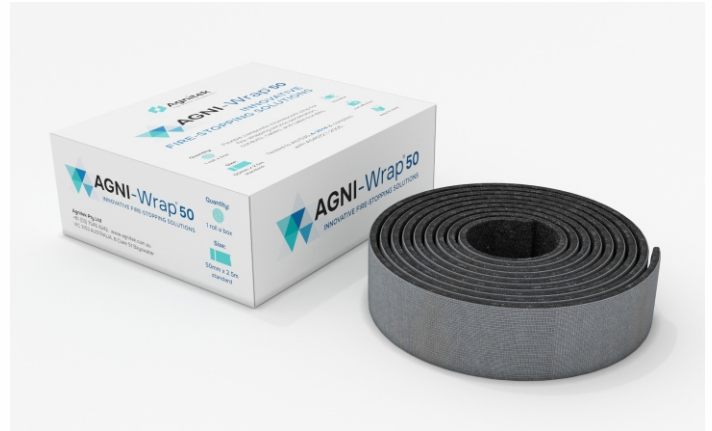
AGNI-Wrap is a universal flexible composite intumescent strip. It is installed around services to create a circular fire-stopping wrap seal for various service penetrations that pass through fire compartment walls, floors and ceilings. In a fire, the intumescent material is activated. It expands, forming a stable fire-resistant plug that maintains fire integrity and insulation and stops the fire from spreading through building compartments.

## AGNI-WRAP INSTALLATION PRINCIPALS:

- For vertical surfaces, installation requires only AGNI-Wrap and AGNI-Seal. The latest tested and certified design eliminates the need for wall drilling.
- For horizontal surfaces, installation requires AGNI-Wrap, AGNI-Clips, and AGNI-Seal. AGNI-Clips securely anchor the wrap to floor or ceiling surfaces, preventing it from loosening over time.

## PRODUCT CHARACTERISTICS

1. Tested to AS1530.4-2014 and AS4072.1-2005 in impartial, third-party accredited testing laboratories compliant with Australian NCC and New Zealand BC.
2. FRL/FRR up to 120 for integrity and insulation.
3. Innovative multi-fix principle of AGNI-Wrap covers a wide range of pipe diameters.
4. Tested and certified for plasterboard, concrete masonry and block wall substrates.
5. Tested and certified for plastic pipe sizes up to 100mm, such as uPVC, PEX, PEX-AL-PEX, PB, PE, HDPE & insulated copper pipes.
6. Tested for electrical applications with conduits, TPS / data cables and bundles & AC bundles.



7. AGNI-Wrap is non-toxic, halogen-free, contains no asbestos and causes no known effects on plastic pipes.
8. Has "One Roll Covers All" installation approach.
9. Environmentally friendly product.
10. Unlimited storage time under proper storage conditions.

## APPLICATION

AGNI-Wrap is designed to:

- Fire-stop service penetrations in fire-rated walls, floors & ceilings.
- To create robust, flexible, easy-to-install protection for floor waste pipes and pipes with sockets.
- Provide an intumescent seal around cables, cable bundles and conduits.

## TECHNICAL DATA

Width	25mm & 50mm
Length	2.5m a roll
Thickness	3.5mm
Expansion time	Less than 7 minutes
Volume expansion at 450°	40 times
Fire resistance	Up to FRL -/120/120
Colour	Black & grey
Storage	Store in temperature between -5°C and 50°C

# The AGNI-Wrap 50<sup>®</sup> Application Range.

SUBSTRATE	SERVICE (s)	FRL	OTHER AGNI-PRODUCTS	AGNI-SYSTEM #	COMPLIANCE REFERENCE
<ul style="list-style-type: none"> <li>• Min. 1 x layer of 13mm plasterboard on each side</li> <li>• Min 90mm solid or hollow masonry/concrete wall</li> </ul>	<b>PVC-U pipes</b>				
	DN40mm PVC-U pipe	-/60/60	AGNI-Seal AGNI-Strap	AP-074	AP-074
	DN50mm PVC-U pipe	-/60/60	AGNI-Seal AGNI-Strap	AP-074	AP-074
	DN65mm PVC-U pipe	-/60/60	AGNI-Seal AGNI-Strap	AP-074	AP-074
	DN80mm PVC-U pipe	-/60/60	AGNI-Seal AGNI-Strap	AP-074	AP-074
	<b>PEX Pipes</b>				
	DN16mm PEX pipe	-/60/60	AGNI-Seal	AP-075	PF24069
	DN20mm PEX pipe	-/60/60	AGNI-Black	AP-234	PF25042
	DN25mm PEX pipe	-/60/60	AGNI-Seal	AP-075	PF24069
	DN25mm PEX pipe FIRE SIDE ONLY	-/60/60	AGNI-Seal AGNI-Strap	AP-073	PF24068
	DN32mm PEX pipe	-/60/60	AGNI-Black	AP-234	PF25042
	DN40mm PEX pipe	-/60/-	AGNI-Seal AGNI-Strap	AP-075	PF24078
	<b>PVC-U conduit pipes</b>				
	DN25mm flexible conduit filled with 3 x TPS cables	-/60/60	AGNI-Seal AGNI-Strap	AE-079	PF24078

# The AGNI-Wrap 50<sup>®</sup> Application Range.

SUBSTRATE	SERVICE (s)	FRL	OTHER AGNI-PRODUCTS	AGNI-SYSTEM #	COMPLIANCE REFERENCE
<b>HVAC</b>					
<ul style="list-style-type: none"> <li>• Min. 1 x layer of 13mm plasterboard on each side</li> <li>• Min 90mm solid or hollow masonry/concrete wall</li> </ul>	1 x PE pair coil + 1 x TPS cable (BOTH SIDES)	-/60/60	AGNI-Black AGNI-Seal	AE-131	PF24102
	1 x PE pair coil + 1 x TPS cable (FIRE SIDE ONLY)	-/60/60	AGNI-Black AGNI-Seal	AE-131	PF24102
	1 x PE pair coil + 1 x TPS cable (NON- FIRE SIDE ONLY)	-/60/60	AGNI-Black AGNI-Seal	AE-131	PF24102
	2 x PE pair coil + 2 x TPS cables (BOTH SIDES)	-/60/60	AGNI-Black AGNI-Seal	AE-131	PF24102
	2 x PE pair coil + 2 x TPS cable (FIRE SIDE ONLY)	-/60/60	AGNI-Black AGNI-Seal	AE-131	PF24102
	2 x PE pair coil + 2 x TPS cable (NON- FIRE SIDE ONLY)	-/60/60	AGNI-Black AGNI-Seal	AE-131	PF24102
<b>PVC-U pipes</b>					
<ul style="list-style-type: none"> <li>• Min. 2 x layers of 13mm plasterboard on each side &amp; 64mm steel/timber stud</li> <li>• Min 116mm solid or hollow masonry/concrete wall</li> </ul>	DN40mm PVC-U pipe	-/120/120	AGNI-Seal	AP-097	PF24081
	DN50mm PVC-U pipe	-/120/120	AGNI-Seal	AP-097	PF24100
	DN65mm PVC-U pipe	-/120/120	AGNI-Seal	AP-097	PF24100
	DN80mm PVC-U pipe	-/120/120	AGNI-Seal	AP-097	PF24100
	DN100 PVC-U pipe	-/120/120	AGNI-Seal	AP-097	PF24100

# The AGNI-Wrap 50<sup>®</sup> Application Range.

SUBSTRATE	SERVICE (s)	FRL	OTHER AGNI-PRODUCTS	AGNI-SYSTEM #	COMPLIANCE REFERENCE
<ul style="list-style-type: none"> <li>• Min. 2 x layers of 13mm plasterboard on each side &amp; 64mm steel/timber stud</li> <li>• Min 116mm solid or hollow masonry/concrete wall</li> </ul>	<b>PEX pipes</b>				
	DN16mm PEX pipe	-/120/120	AGNI-Seal	AP-099	PF24100
	DN20mm PEX pipe	-/120/120	AGNI-Seal	AP-099	PF25050
	DN25mm PEX pipe	-/120/120	AGNI-Seal	AP-099	PF24081
	DN40mm PEX pipe	-/120/45	AGNI-Seal	AP-099	PF24097
	<b>PEX-AL-PEX pipes</b>				
	DN20mm PEX-AL-PEX	-/120/120	AGNI-Seal	AP-100	PF24100
	<b>PVC-U conduit pipes</b>				
	DN50mm flexible conduit with 9 x TPS cables	-/120/120	AGNI-Seal	AE-098	PF24100
	DN25mm PVC-U conduit pipe with up to 8 x Optic cables	-/120/120	AGNI-Black	AE-187	PF25005
DN25mm flexible PVC-U conduit pipe with up to 6 x Optic cables	-/120/120	AGNI-Black	AE-187	PF25005	
<ul style="list-style-type: none"> <li>• Min. 25mm Shaftliner &amp; 1 x layer of 16mm FR plasterboard</li> </ul>	<b>HVAC</b>				
	1 x FR pair coil + TPS cable + 20mm condensate pipe	-/60/60	AGNI-Black	AE-185	PF24146
1 x PE pair coil + TPS cable + 20mm condensate pipe	-/60/60	AGNI-Black	AE-185	PF24146	

# The AGNI-Wrap 50<sup>®</sup> Application Range.

SUBSTRATE	SERVICE (s)	FRL	OTHER AGNI-PRODUCTS	AGNI-SYSTEM #	COMPLIANCE REFERENCE
• Min. 25mm Shaftliner & 1 x layer of 16mm FR plasterboard	<b>PEX pipes</b>				
	DN16mm PEX pipe	-/60/60	AGNI-Black	AP-210	PF25006
	DN20mm PEX pipe	-/60/60	AGNI-Black	AP-210	PF25006
	DN25mm PEX pipe	-/60/60	AGNI-Black	AP-210	PF24146
	<b>PVC-U pipes</b>				
	DN25mm PVC-U conduit with 3 x Data cables + 3 x Alarm cables + 3 x 4.8mm Optic cables	-/60/60	AGNI-Black	AE-212	PF25006
	DN25m PVC-U pipe	-/60/60	AGNI-Black	AP-213	PF25006
• Min 75mm Hebel wall	<b>HVAC</b>				
	1 x FR pair coil + TPS cable + 20mm condensate pipe	-/120/120	AGNI-Black	AE-173	PF24145
	1 x PE pair coil + TPS Cable + 20mm Condensate Pipe	-/120/60	AGNI-Black	AE-173	PF24145
	<b>PEX pipes</b>				
	DN25mm PEX pipe	-/60/60	AGNI-Black	AP-174	PF24145