

# AGNI-Box<sup>®</sup> SYSTEMS CONFIGURATION

## The AGNI-Box configurations in 1-hour fire-rated walls.

Any multi-combination of tested and certified services passing through the AGNI-Box<sup>®</sup> 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 <sup>®</sup>	<ul style="list-style-type: none"> <li>• 1 x layers of 13mm plasterboard each side &amp; 64mm steel/timber stud</li> <li>• Concrete</li> <li>• Solid or hollow masonry</li> <li>• Shaftwall</li> </ul>	<b>HVAC</b>			
		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
		<b>Metal pipes</b>			
		Up to DN 40mm steel pipe	-/60/60	-/60/60	PF2410, 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
		<b>Plastic pipes</b>			
		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

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AGNI-Box®	<ul style="list-style-type: none"> <li>• 1 x layers of 13mm plasterboard each side &amp; 64mm steel/timber stud</li> <li>• Concrete</li> <li>• Solid or hollow masonry</li> <li>• Shaftwall</li> </ul>	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

## The AGNI-Box® configurations in 2-hour fire-rated walls.

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"> <li>• 2 x layers of 13mm plasterboard each side &amp; 64mm steel/timber stud</li> <li>• Concrete</li> <li>• Solid or hollow masonry</li> <li>• Hebel</li> </ul>	<b>HVAC</b>			
		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
		<b>Metal pipes</b>			
		Up to DN 40mm steel pipe	-/120/120	-/120/90	PF2410, 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

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<b>AGNI-Box<sup>®</sup></b>	<ul style="list-style-type: none"> <li>• 2 x layers of 13mm plasterboard each side &amp; 64mm steel/timber stud</li> <li>• Concrete</li> <li>• Solid or hollow masonry</li> <li>• Hebel</li> </ul>	<b>Plastic pipes</b>			
		Up to DN25mm PEX-AL-PEX pipes	-/120/120	-/90/60	PF24110, PF24099
		Up to DN32mm PEX-AL-PEX pipes	-/120/120	-/120/-	PF24097, PF24099
		Up to DN16mm PEX pipes	-/120/120	-/90/90	PF24110, PF24099
		Up to DN40mm PEX pipes	-/120/120	-/120/-	PF24097, PF24099
		Up to DN50mm PVC-U pipe	-/120/120	-/120/120	PF24126, PF24110
		Up to DN32mm PP-R pipes	-/120/120	-/120/120	PF24126
		Up to DN32mm 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
		<b>Electrical cables &amp; cable bundles</b>			
		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 DN50mm flexible conduit with up to 6 x TPS cables	-/120/120	-/120/120	PF24110, PF24126