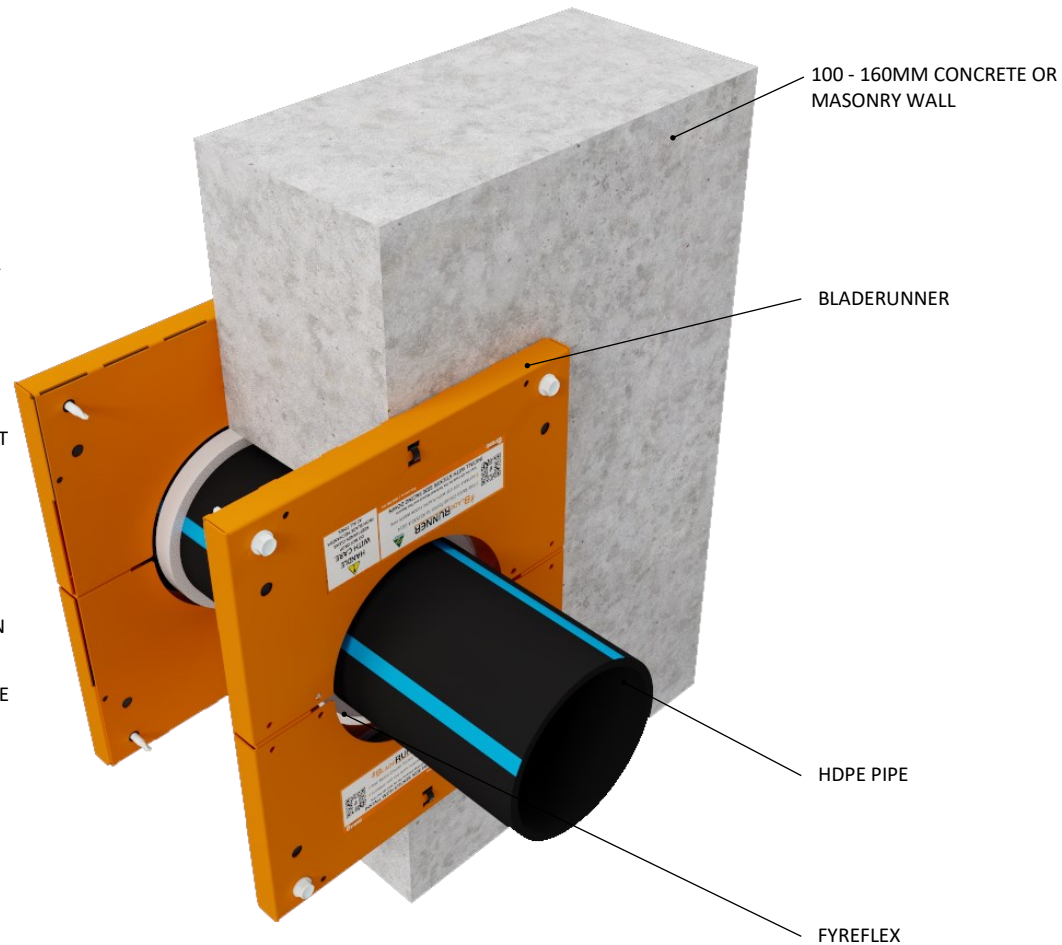


### INSTALLATION INSTRUCTIONS

1. ENSURE THE APERTURE IS CLEAN AND FREE OF DUST AND DEBRIS.
2. APPLY 10MM DEEP TRAFALGAR FYREFLEX INTO THE ANNULAR GAP BETWEEN THE PIPE AND THE WALL.
3. PLACE ONE HALF OF THE BLADERUNNER (WITH THE STICKER VISIBLE) AROUND THE PIPE AND UP AGAINST THE WALL.
4. SECURE THE BLADERUNNER IN PLACE WITH TWO M6 X 50MM CONCRETE ANCHORS, USING THE PRE-FORMED FIXING HOLES. DO NOT OVERTIGHTEN THE ANCHORS.
5. INSTALL THE SECOND HALF OF THE BLADERUNNER IN THE SAME WAY AS THE FIRST HALF.
6. REPEAT THIS PROCESS ON THE OPPOSITE SIDE OF THE WALL.

**NOTE: THE CABLE TIES FORM PART OF THE PRODUCT MECHANISM.**

**DO NOT CUT THE CABLE TIES**



Products:	TRAFALGAR BLADERUNNER TRAFALGAR FYREFLEX
Approvals:	AS 1530.4:2014/AS 4072.1:2005
BK:	324
Ref:	FCO 3576
ID:	Table 4 / Table 5
Scenario:	Penetration seal to HDPE pipe
Services:	Ø110mm HDPE pipe
Annular:	2 - 6mm
Construction:	100 - 160mm concrete / masonry wall

#### Fire Resistance:

Wall thickness		FRL
Concrete	Masonry	
100mm	110mm	-/90/90
120mm	130mm	-/120/120
150mm	160mm	-/180/180

Web based drawings are for example only. Fire performance of any system is dependant on, but not limited to size of opening, substrate, if penetrations are passing through, type, size and number. Please refer to Ryanfire technical department for detailed and specific fire performance information.

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Drawing Title

**BladeRUNNER & FyreFLEX to HDPE pipe  
100mm - 160mm concrete/masonry wall**

Date	August 2025	Scale	NTS
Drawing Number	TF10.03	Rev	1.0

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