

CERTIFICATE OF CONFORMITY

Product Listing Scheme: Scheme Type 5

This certificate is issued to: Walraven Pte Ltd
71 Lorong 23 Geylang
#06-14
WORK + STORE (71G)
Singapore 388386

Registration Number/UEN: 201932725E

Product: Fire Stopping Material

Brand: Walraven

Model: Pacifyre® AWM II

Country of Origin: The Netherlands

Product Details: Fire Collar
See COC Appendix (1 page) for Fire Performance

Standard(s): BS 476-20:1987

Report(s): Sirim No. 2021FE0264
STS No. 04505-0421-01281-MEFT

This certificate issued in accordance with SCDF Fire Code 2018 requirements.



Head of Certification



Certificate No.	Date of Original Issue	No. of Page(s)	Date of Last Revision	Date of Expiry
21A0421	28 May 2021	1 of 2	-	27 May 2026



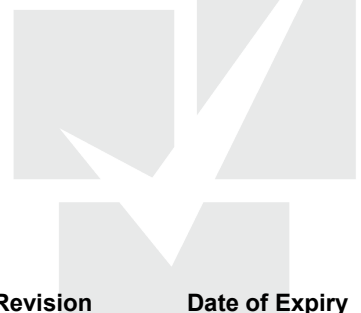
APPENDIX

Product Details: Fire performance of penetration gap sealing system

Separating Element	Test Specimen	Aperture Size (mm)	Penetration Services	Fire Collar	Description	Integrity (mins)	Insulation (mins)
200mm thick masonry wall	A	250 x 250	Pre-Insulated pipe consists of nominal size Ø125mm HDPE pipe with an wall thickness of 17.5mm, insulated with a 0.4mm thick GI steel jacket infilled with polyurethane foam of 34.5mm thick	Pacifyre® AWM II Fire Collar 226mm - 250mm	Fire collar with 25mm thick nitrile foam rubber was fitted to the pipe onto the wall on both fire exposed and unexposed sides, with the penetration gap sealed up with Walraven Pacifyre® FPM mortar.	120	120
	B	200 x 200	Pre-Insulated pipe consists of nominal size Ø120mm HDPE pipe with an wall thickness of 10mm, insulated with a 0.4mm thick GI steel jacket infilled with polyurethane foam of 30.5mm thick	Pacifyre® AWM II Fire Collar 181mm - 200mm		120	120
	C	315 x 315	Pre-Insulated pipe consists of nominal size Ø180mm HDPE pipe with an wall thickness of 22.5mm, insulated with a 0.4mm thick GI steel jacket infilled with polyurethane foam of 45.5mm thick	Pacifyre® AWM II Fire Collar 301mm - 315mm		120	120
	D	400 x 400	Pre-Insulated pipe consists of nominal size Ø250mm HDPE pipe with an wall thickness of 32.5mm, insulated with a 0.4mm thick GI steel jacket infilled with polyurethane foam of 43mm thick	Pacifyre® AWM II Fire Collar 356mm - 400mm		120	120

For more details, please refer to Sirim No. Sirim No. 2021FE0264 and STS No. 04505-0421-01281-MEFT.

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This Certificate is part of a full report and should be read in conjunction with it. This Certificate remains the property of Singapore Test Services Pte Ltd ("STS") and shall be returned upon request. The use of this Certificate is subjected to the terms and conditions of the Product Listing Scheme of STS. The above certified company is solely responsible for compliance of any product that has the same designation as the product type tested. Parties relying on this Certificate should verify its validity with STS.