



PSB Singapore

CERTIFICATE OF CONFORMITY

No. CLS1A 17 07 80534 052

Initial No. CLS1A 13 07 80534 011

Certificate Holder: **Hilti Far East Pte Ltd**
 20 Harbour Drive
 #06-06/08
 PSA Vista
 Singapore 117612
 SINGAPORE

Certification Mark:

Product: Fire Stopping Materials

Brand Name: Hilti

Model(s): CP 611A

Product Details: See COC Appendix (2 pgs) for Fire Performance

Standard(s): BS 476-20:1987

Country of Origin: Germany

Test Report(s): See COC Appendix (2 pgs)

Issued on: 2017-07-14

Valid until: 2019-07-01

Products listed under Class 1A must have TÜV SÜD PSB PLS mark as shown above affixed/printed on them. Failure to comply with this requirement may result in revocation of this certificate.


 Vice-President (Certification Department)
 TÜV SÜD PSB

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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 TÜV SÜD PSB Pte Ltd and shall be returned upon request. The use of this Certificate is subjected to TÜV SÜD Group Testing and Certification Regulations; TÜV SÜD PSB Pte Ltd (PSB) General Terms and Conditions of Business and PSB Product Listing Scheme (PLS) Application Fact Sheet. The manufacturer is solely responsible for compliance of any product that has the same designation as the product type-tested. Persons relying on this Certificate should verify its validity by checking TÜV SÜD PSB's website at www.tuv-sud-psb.sg





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PRODUCT LISTING SCHEME APPENDIX

TO CERTIFICATE OF CONFORMITY NUMBER: CLS1A 17 07 80534 052

Date of Issue : 2017-07-14

Issued To : **Hilti Far East Pte Ltd**
20 Harbour Drive
#06-06/08
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Singapore 117612
SINGAPORE

Test Report (s) : WARRES No. 62293/A, 60300/B
WF Report No. 151439, 362130 Issue 2, 385574c, 385574d

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Product Details : Fire Performance of Penetration Gaps Sealing System as per table below

Separating Element	Aperture Size (mm)	Penetration Service	Method of Sealing	Integrity (Mins)	Insulation (Mins)
100mm thick concrete wall	Ø90	PVC pipe of OD 40mm of 3mm wall thickness	60mm thick of intumescent sealant was used to fill up the penetration gap between the PVC pipe and the floor slab on the exposed fire side	240	240
		PVC pipe of OD 40mm of 3mm wall thickness	60mm thick of intumescent sealant was used to fill up the penetration gap between the PVC pipe and the floor slab on the unexposed fire side	240	240

For more details, please refer to WARRES No. 62993/A, WF Report No. 385574d, 151439 & 362130 Issue 2.

Separating Element	Aperture Size (mm)	Penetration Service	Method of Sealing	Integrity (Mins)	Insulation (Mins)
120mm thick concrete floor	Ø90	PVC pipe of OD 40mm of 3mm wall thickness	80mm thick of intumescent sealant was used to fill up the penetration gap between the PVC pipe and the floor slab on the exposed fire side	180	150
		PVC pipe of OD 40mm of 3mm wall thickness	80mm thick of intumescent sealant was used to fill up the penetration gap between the PVC pipe and the floor slab on the unexposed fire side	180	180

For more details, please refer to WARRES No. 60300/B, WF Report No. 385574d, 151439 & 362130 Issue 2.

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