

CERTIFICATE OF CONFORMITY

Product Listing Scheme: Scheme Type 5

This certificate is issued to: Hilti Far East Pte Ltd
80 Pasir Panjang Road
#16-83/84 Mapletree Business City
Singapore 117372

Registration Number/UEN: 196800338E

Product: Fire Stopping Material

Brand: Hilti

Model: CP 601S

Country of Origin: Germany

Product Details: Fire Stop Silicone Sealant
See COC Appendix (5 pages) for Fire Performance

Standard(s): BS 476-20:1987

Report(s): WARRES No. 71151/B, 51277, 101295/A
WFRC Report No. 141323 Issue 3, 143653, C102207
WF Report No. 412154/B, 412154/C

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
20A0302	09 July 2020	1 of 6	01 November 2022	01 April 2024



APPENDIX

Product Details: Fire performance of penetration gap sealing system

For 150mm thick aerated concrete wall

Specimen Reference	Gap Width (mm)	Gap Depth (mm)	Description	Integrity (mins)	Insulation (mins)
A	50	150	Both exposed and unexposed fire sides of the linear gap were sealed up with a layer of 20mm thick CP 601S joint sealant, backed by two Ø50mm PE open cell foam rods respectively	240	240
B	10	150	Both exposed and unexposed fire sides of the linear gap were sealed up with a layer of 6mm thick CP 601S joint sealant, backed by two Ø15mm PE open cell foam rods respectively	240	240
C	30	150	Unexposed fire side of the linear gap was sealed up with a layer of 15mm thick CP 601S joint sealant, backed by one Ø35mm PE open cell foam rod	240	90
D	10	150	Unexposed fire side of the linear gap was sealed up with a layer of 6mm thick CP 601S joint sealant, backed by one Ø15mm PE open cell foam rod	240	240

For more details, please refer to WFRC Report No. 143653.

Head of Certification



Certificate No. 20A0302	Date of Original Issue 09 July 2020	No. of Page(s) 2 of 6	Date of Last Revision 01 November 2022	Date of Expiry 01 April 2024
-----------------------------------	---	---------------------------------	--	--

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.



APPENDIX

Product Details: Fire Performance of Penetration / Linear Gap Joints Sealing System

For 150mm thick aerated concrete floor

Specimen Reference	Gap Width (mm)	Gap Depth (mm)	Description	Integrity (mins)	Insulation (mins)
E	50	150	Both exposed and unexposed fire sides of the linear gap were sealed up with a layer of 20mm thick CP 601S joint sealant, backed by two Ø50mm PE open cell foam rods respectively	240	240
F	10	150	Both exposed and unexposed fire sides of the linear gap were sealed up with a layer of 6mm thick CP 601S joint sealant, backed by two Ø15mm PE open cell foam rods respectively	240	240
G	30	150	Unexposed fire side of the linear gap was sealed up with a layer of 15mm thick CP 601S joint sealant, backed by one Ø35mm PE open cell foam rod	240	120
H	10	150	Unexposed fire side of the linear gap was sealed up with a layer of 6mm thick CP 601S joint sealant, backed by one Ø15mm PE open cell foam rod	240	240

For more details, please refer to WFRC Report No. 143653.

Head of Certification



Certificate No. 20A0302	Date of Original Issue 09 July 2020	No. of Page(s) 3 of 6	Date of Last Revision 01 November 2022	Date of Expiry 01 April 2024
-----------------------------------	---	---------------------------------	--	--

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.



APPENDIX

Product Details:

Fire Performance of Penetration / Linear Gap Joints Sealing System

Type of Separating Element (Gap Faces)	Gap Width (mm)	Seal Depth (mm)	Sealant	Type of Backing Material	Integrity (mins)	Insulation (mins)
Aerated Concrete	0 - 15	6	CP 601S	Rock Fibre	240	240
Aerated Concrete	15	10		Rock Fibre	240	240
Aerated Concrete	30	15		Rock Fibre	240	240
Aerated Concrete	100	15		Rock Fibre	240	240
Steel	0 - 15	6		Rock Fibre	60	-
Steel	15	10		Rock Fibre	60	-
Steel	30	15		Rock Fibre	60	-
Aerated Concrete and Steel	0 - 15	6		Rock Fibre	60	-
Aerated Concrete and Steel	15	10		Rock Fibre	90	-
Aerated Concrete and Steel	30	15		Rock Fibre	120	-

For more details, please refer to WFRC No. 141323, WF Report No. 412154/B.

Head of Certification



Certificate No.
20A0302

Date of Original Issue
09 July 2020

No. of Page(s)
4 of 6

Date of Last Revision
01 November 2022

Date of Expiry
01 April 2024



APPENDIX

Product Details: Fire Performance of Penetration / Linear Gap Joints Sealing System

For 150mm thick aerated concrete floor

Specimen Reference	Gap Width (mm)	Gap Depth (mm)	Description	Integrity (mins)	Insulation (mins)
H2	15	150	Linear gap was filled up with 100kg/m ³ rock fibre wool and sealed with a layer of 6mm thick CP 601S joint sealant on the unexposed fire side	240	240
H3	30	150	Linear gap was filled up with 100kg/m ³ rock fibre wool and sealed with a layer of 15mm thick CP 601S joint sealant on the unexposed fire side	240	240
H4	100	150	Linear gap was filled up with 100kg/m ³ rock fibre wool and sealed with a layer of 15mm thick CP 601S joint sealant on the unexposed fire side	240	240

For more details, please refer to WARRES No. 71151/B.

Separating Element	Penetration Service	Description	Integrity (mins)	Insulation (mins)
150mm thick aerated concrete floor	Copper Pipe <i>(Max Diameter of 200mm of wall thickness of 1.25mm to 10mm)</i>	Gap in the penetration to be sealed up with 100mm thick mineral wool with 20mm thick CP 601S on the unexposed fire side	120	-
	Steel Pipe <i>(Max Diameter of 200mm of wall thickness of 1.25mm to 10mm)</i>	Gap in the penetration to be sealed up with 100mm thick mineral wool with 20mm thick CP 601S on the unexposed fire side	120	-

For more details, please refer to WARRES No. 51277, 101295/A.

Head of Certification



Certificate No. 20A0302	Date of Original Issue 09 July 2020	No. of Page(s) 5 of 6	Date of Last Revision 01 November 2022	Date of Expiry 01 April 2024
-----------------------------------	---	---------------------------------	--	--

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.



APPENDIX

Product Details: Fire Performance of Penetration / Linear Gap Joints Sealing System

Separating Element	Penetration Service	Description	Integrity (mins)	Insulation (mins)
150mm thick aerated concrete wall	Copper Pipe <i>(Max Diameter of 50mm of wall thickness of 1.25mm to 10mm)</i>	Gap in the penetration to be sealed up with 100mm thick mineral wool sandwiched by 20mm thick CP 601S on both exposed and unexposed fire side	240	-
	Copper Pipe <i>(Max Diameter of 50mm of wall thickness of 1.25mm to 10mm)</i>	Gap in the penetration to be sealed up with 100mm thick mineral wool with 20mm thick CP 601S on the unexposed fire side	240	-
	Steel Pipe <i>(Max Diameter of 200mm of wall thickness of 1.25mm to 10mm)</i>	Gap in the penetration to be sealed up with 100mm thick mineral wool with 20mm thick CP 601S on the unexposed fire side	240	-

For more details, please refer to WARRES No. 51277 & 101295/A.

Separating Element	Penetration Service	Description	Integrity (mins)	Insulation (mins)
100mm thick aerated concrete wall	Copper Pipe <i>(Max Diameter of 50mm of wall thickness of 1.25mm to 10mm)</i>	Gap in the penetration to be sealed up with 60mm thick mineral wool sandwiched by 20mm thick CP 601S on both exposed and unexposed fire side	120	-
	Steel Pipe <i>(Max Diameter of 200mm of wall thickness of 1.25mm to 10mm)</i>	Gap in the penetration to be sealed up with 60mm thick mineral wool sandwiched by 20mm thick CP 601S on both exposed and unexposed fire side	240	-
	Copper Pipe <i>(Max Diameter of 200mm of wall thickness of 1.25mm to 10mm)</i>	Gap in the penetration to be sealed up with 60mm thick mineral wool sandwiched by 20mm thick CP 601S on both exposed and unexposed fire side	120	-

For more details, please refer to WARRES No. 51277, 101295/A, WFRC No. C102207, WF Report No. 412154/C.

Head of Certification

Certificate No. 20A0302	Date of Original Issue 09 July 2020	No. of Page(s) 6 of 6	Date of Last Revision 01 November 2022	Date of Expiry 01 April 2024
-----------------------------------	---	---------------------------------	--	--