

CERTIFICATE OF CONFORMITY

Product Listing Scheme: Scheme Type 5

This certificate is is Registration Number	sued to: /UEN:	Hilti Far East Pte Ltd 20 Harbour Drive #06-06 Singapore 117612 196800338E		
0				
Product:	Fire Stopping Material			
Brand:	Hilti			
Model:	CP 636			
Country of Origin:	Germany			
Product Details:	Fire Stop See COC	Mortar Appendix (4 pages) for Fire Performance		
Standard(s):	BS 476-20):1987		
Report(s):	WARRES BRE No. ⁻ TÜV SÜD	No. 101728, 62305/B, 62305/C FE 200637, TE 200638 PSB No. 7191165375-MEC17-IHN 7191167286-MEC17-MW		

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

Head of Certification





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Date of Last Revision 28 October 2020 Date of Expiry 18 August 2025



Product Details:

Fire Performance of Penetration Gap Sealing System

Separating	Aperture Size	Type of	Description	Integrity	Insulation
Element	(mm)	Penetration		(Mins)	(Mins)
150mm thick concrete floor slab	600 x 600	Cable trays with various electrical services	50mm thick mineral fibre was installed at the fire exposed side and the unexposed fire side was sealed up with a layer of 75mm thick CP 636 mortar	240	90

For more details, please refer to WARRES No. 101728.

Separating	Aperture Size	Type of	Description	Integrity	Insulation
Element	(mm)	Penetration		(Mins)	(Mins)
200mm thick concrete wall slab	1200 x 600	Cable trays with various electrical services, metal and plastic tubes	Cable trays were bedded on CP 688 fire prevention putty or CP 611A fire prevention mastic before sealing up the whole aperture with fire prevention mortar	240	60

For more details, please refer to WARRES No. 62305/C

Separating	Aperture Size	Type of	Description	Integrity	Insulation
Element	(mm)	Penetration		(Mins)	(Mins)
100mm thick concrete wall slab	600 x 600	Cable trays with various electrical services	All cables were applied with a layer of CP 611A mastic in the aperture over a distance of 30mm before sealing up the whole aperture with CP 636 mortar	240	60

For more details, please refer to WARRES No. 62305/B.

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Product Details:

Fire Performance of Penetration Gap Sealing System

Separating Element	Aperture Size (mm)	Type of Penetration	Description	Integrity (Mins)	Insulation (Mins)
150mm thick concrete wall slab	700 x 700	Damper with a clear opening of 500mm x 500mm fitted with a HEVAC installation frame	The gap between the penetration service and slab was sealed up with CP 636 mortar	240	-

For more details, please refer to BRE No. TE 200637.

Separating Element	Aperture Size (mm)	Type of Penetration	Description	Integrity (Mins)	Insulation (Mins)
100mm thick concrete wall slab	800 x 800	Damper with a clear opening of 600mm x 600mm fitted with a HEVAC installation frame	The gap between the penetration service and slab was sealed up with CP 636 mortar	240	-

For more details, please refer to BRE No. TE 200638.

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20A0304	19 August 2020	3 of 5	28 October 2020	18 August 2025



Product Details:

Fire Performance of Penetration Gap Sealing System

Separating Element	Aperture	Penetration Service	Description	Integrity (mins)	Insulation (mins)
		-		240	240
200mm thick concrete floor A		2" Metal Pipe with 3.8mm wall thickness	50mm thick mineral wool of 100kg/m ³	240	-
	300mm x 28mm x1.2mm thick Metallic Duct	was compressed fit in the penetration gap to a depth of 100mm. 50mm	240	30	
	2" uPVC Pipe with 2.5mm wall thickness with CP 643N collar and CP 648-E wrap strip on the fire exposed side	thick firestop mortar was then troweled into 50mm deep in the penetration above the mineral wool and levelled to the concrete floor slab surface. Surrounding perimeter of	210	180	
		17mm x 300mm x 17mm x 1.0mm thick steel cable tray with 6 nos. of Ø4.5mm electrical cables	each penetration service was also sealed with CP 606 sealant.	240	240

For more details, please refer to TÜV SÜD PSB No. 7191165375-MEC17-IHN.

Separating Element	Aperture	Penetration Service	Description	Integrity (mins)	Insulation (mins)
		-		240	180
200mm thick concrete floor B		2" Metal Pipe with 3.8mm wall thickness	50mm thick mineral wool of 100kg/m³	240	-
		300mm x 28mm x1.2mm thick Metallic Duct	was compressed fit in the penetration gap to a depth of 80mm. 30mm thick firestop mortar was then troweled into 30mm deep in the penetration above the mineral wool and levelled to the concrete floor slab surface. Surrounding perimeter of each penetration service was also sealed with CP 606 sealant.	240	-
	В	2" uPVC Pipe with 2.5mm wall thickness with CP 643N collar and CP 648-E wrap strip on the fire exposed side		210	180
		17mm x 300mm x 17mm x 1.0mm thick steel cable tray with 6 nos. of Ø4.5mm electrical cables		240	240

For more details, please refer to TÜV SÜD PSB No. 7191165375-MEC17-IHN.

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20A0304	19 August 2020	4 of 5	28 October 2020	18 August 2025



Product Details:

Fire Performance of Penetration Gap Sealing System

Separating Element	Penetration Service	Description	Integrity (mins)	Insulation (mins)
	-		240	180
Concrete Wall	2" Metal Pipe with 3.8mm wall thickness		240	-
	300mm x 28mm x1.2mm thick Metallic Duct	30mm thick firestop mortar was apply in the penetration gap, sandwiched by	240	-
	2" uPVC Pipe with 2.5mm wall thickness with CP 643N collar and CP 648-E wrap strip on both fire exposed and unexposed sides	on both fire exposed and unexposed sides. The mineral wool surface can be finished with a thin coat of non- combustible plaster or firestop mortar.	210	180
	17mm x 300mm x 17mm x 1.0mm thick steel cable tray with 6 nos. of Ø4.5mm electrical cables		240	240

For more details, please refer to TÜV SÜD PSB No. 7191165375-MEC17-IHN and 7191167286-MEC17-MW.

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