



CERTIFICATE OF APPROVAL

No CF 656

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

Hilti AG
Feldkircherstr. 100
9494 Schaan
Principality of Liechtenstein
Tel: + 49 8191 90 6393 Fax: + 49 8191 90 6330

Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT
CP 637 Firestop Mortar
CP 638 Firestop Mortar

TECHNICAL SCHEDULE
TS03 Penetration Sealing
Systems

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued:
Reissued:
Valid to:

30th November 2009
1st October 2025
27th February 2030





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Hilti AG

This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.

CP 637 Firestop Mortar and CP 638 Firestop Mortar

1. This approval relates to the use of Hilti AG CP 637 Firestop Mortar and CP 638 Firestop Mortar for the fire protection where there are services penetrating walls & floors. The detailed scope is given in the Approval Matrices included in this Certificate. This shows the thickness and acceptable services for the board seals required to provide fire resistance periods utilising the temperature and pressure conditions of EN1366-3: 2021 + A1: 2024 of up to 240 minutes for differing floor constructions.
2. This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
3. The product is approved on the basis of:
 - i) Initial type testing
 - ii) Audit testing at the frequency specified in TS03
 - iii) A design appraisal against TS03
 - iv) Inspection and surveillance of factory production control
 - v) Production surveillance under ISO 9001:2015
4. The AAC, concrete, blockwork or masonry floors shall have at least the same fire resistance performance as that required for the penetration seal. Further specific requirements for the supporting construction are given in each approval matrix.
5. The approval relates to ongoing production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

Further Information

Further information regarding the details contained in this certificate may be obtained from Hilti AG (Tel: +498191906452).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 655 116).



CERTIFICATE No CF 656

Hilti AG

CP637 – Firestop Mortar

Approval Matrix – Up To 240 Minute Floors

Product Name:		CP637 Firestop Mortar		
Backing type/depth (min.)	Mortar Depth (min.)	Service	Integrity	Insulation
Rocksil/ 50 mm	50 mm	Steel cable tray (225 mm wide by 30 mm high max.)	60 minutes	30 minutes
		Copper cored PVC sheathed cables up to 55 mm diameter. Bundles permitted for up to 35 mm diameter.		
		Steel pipes up to 25 mm dia./1.5 mm wall	240 minutes	60 minutes
		Steel pipes up to 108 mm dia./6 mm wall		30 minutes
		Blank seals/area without services		180 minutes
	100 mm	Steel cable tray (225 mm wide by 30 mm high max.)	90 minutes	60 minutes
		Copper cored PVC sheathed cables up to 55 mm diameter. Bundles permitted for up to 35 mm diameter.		
		Steel pipes up to 25 mm dia./1.5 mm wall	240 minutes	120 minutes
		Steel pipes up to 61 mm dia./5 m wall		60 minutes
		Steel pipes up to 108 mm dia./6 mm wall		30 minutes
		Blank seals/area without services		240 minutes
		None	Steel cable tray (225 mm wide by 30 mm high max.)	240 minutes
Copper cored PVC sheathed cables up to 32 mm diameter				
Bundles of copper cored PVC sheathed cables up to 12 mm diameter	60 minutes			
Steel pipes up to 25 mm dia./1.5 mm wall				
Steel pipes up to 42 mm dia./4 mm wall	30 minutes			
Steel pipes up to 108 mm dia./6 mm wall	No insulation			
Blank seals/area without services	240 minutes			
Maximum aperture		600 mm long by 400 mm wide – mineral wool shall be left in position for seal depths of less than 100 mm. Multiple apertures must be separated by a minimum of 200 mm.		
Floors		The floors shall be concrete/reinforced aerated concrete minimum of 200 mm thick and 780kg/m³ density. The floor shall have at least the same fire rating as that required of the penetration seal.		
Application Technique:		A single slab of the 140 kg/m³ Rocksil stone wool material is compressed into the aperture and the premixed CP638 Firestop Mortar is then infilled into the aperture, around the services to the required thickness (the seal may require supporting at this stage). Services should not be added after installation. Depending upon the required scope of approval (as shown above), the Rocksil slab may then be removed.		
Service Coat-Back :		Not required		
Service Support Requirements:		Services should be rigidly supported via steel angles, hangers or channels, not further than 70 mm and 360 mm from the surface of the sealing system on both faces.		



CERTIFICATE No CF 656

Hilti AG

CP638 – Firestop Mortar

Approval Matrix – Up To 240 Minute Floors

Product Name:		CP638 Firestop Mortar		
Backing type/depth (min.)	Mortar Depth (min.)	Service	Integrity	Insulation
None	100 mm	Steel cable tray (225 mm wide by 30 mm high max.)	90 minutes	30 minutes
		Copper cored PVC sheathed cables up to 35 mm diameter.		30 minutes
		Bundles of copper cored PVC sheathed cables up to 19 mm diameter.	60 minutes	30 minutes
		Blank seals/area without services	240 minutes	180 minutes
Aperture size:		Length (m)	Width (m)	
		≤ 1.80	≤ 2.00	
		> 1.80 ≤ 2.00	≤ 1.80	
		> 2.00 ≤ 2.50	≤ 1.52	
		> 2.50 ≤ 14.2	≤ 1.42	
		Lengths > 14.2 m not permitted. Multiple apertures must be separated by a minimum of 200 mm.		
Floors		The floors shall be concrete/reinforced aerated concrete minimum of 200 mm thick and 780kg/m³ density. The floor shall have at least the same fire rating as that required of the penetration seal.		
Application Technique:		A single slab of the 140 kg/m³ Rocksil stone wool material is compressed into the aperture and the premixed CP638 Firestop Mortar is then infilled into the aperture, around the services to the required thickness (the seal may require supporting at this stage). Services should not be added after installation. Depending upon the required scope of approval (as shown above), the Rocksil slab may then be removed.		
Service Coat-Back :		Not required		
Service Support Requirements:		Services should be rigidly supported via steel angles, hangers or channels, not further than 70 mm and 360 mm from the surface of the sealing system on both faces.		



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CP638 – Firestop Mortar

Approval Matrix – Up To 240 Minute Floors

Product Name:		CP638 Firestop Mortar				
Backing type/depth (min.)	Mortar Depth (min.)	Service – pipes with insulation local sustained and continuous sustained (LS CS) Or local interrupted and continuous interrupted (LI CI)		Minimum separation (mm)	C/U C/C	
					Integrity	Insulation
None	100	Steel pipes up to 25 mm dia./1.5 mm wall	LS CS	100	240 minutes	90 minutes
		Steel pipes up to 42 mm dia./4 mm wall		100		60 minutes
		Steel pipes up to 108 mm dia./6 mm wall		100		30 minutes
		Steel pipes up to 108 mm dia./6 mm wall		38	120 minutes	120 minutes
		Steel pipes up to 108 mm dia./6 mm wall		14		30 minutes
		Steel pipes up to 25 mm dia./1.5 mm wall	LI CI	100	240 minutes	90 minutes
		Steel pipes up to 42 mm dia./4 mm wall		100		60 minutes
		Steel pipes up to 108 mm dia./6 mm wall		100		30 minutes
		Aperture size:		Length (m)		Width (m)
≤ 1.80				≤ 2.00		
> 1.80 ≤ 2.00				≤ 1.80		
> 2.00 ≤ 2.50				≤ 1.52		
> 2.50 ≤ 14.2				≤ 1.42		
Lengths > 14.2 m not permitted. Multiple apertures must be separated by a minimum of 200 mm						
Floors		The floors shall be concrete/reinforced aerated concrete minimum of 200 mm thick and 780kg/m³ density. The floor shall have at least the same fire rating as that required of the penetration seal.				
Application Technique:		A single slab of the 140 kg/m³ Rocksil stone wool material is compressed into the aperture and the premixed CP638 Firestop Mortar is then infilled into the aperture, around the services to the required thickness (the seal may require supporting at this stage). Services should not be added after installation. Depending upon the required scope of approval (as shown above), the Rocksil slab may then be removed.				
Service Coat-Back :		Not required				
Service Support Requirements:		Services should be rigidly supported via steel angles, hangers or channels, not further than 70 mm and 360 mm from the surface of the sealing system on both faces.				