

# Hilti CP 606 Firestop Acrylic Sealant

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## Flexible firestop sealant CP 606



### APPLICATIONS

- Sealing rigid or low-movement ceiling/wall joints, widths from 6 to 30 mm
- Sealing metal pipe penetrations
- For use in various base materials such as masonry, concrete, drywall and metal

### ADVANTAGES

- Paintable
- Easy to clean up with water
- Smoke, fume and water resistant



Smoke



Water Tight



Acoustic



Siesmic



Low VOC



Mould & Mildew

### Technical data

<b>Chemical basis</b>	Water-based acrylic dispersion
<b>Base materials</b>	Concrete, Masonry, Drywall, Steel
<b>Movement<sup>1)</sup></b>	±12.5% (ISO 11600)
<b>Approx. tack-free time (ventilated at 77°F, 80% rel. humidity)</b>	20 min
<b>Approx. curing time<sup>2)</sup></b>	3 mm/3 days
<b>Average volume shrinkage</b>	22.2%
<b>Application temperature range</b>	5 - 40 °C
<b>Temperature resistance range</b>	-30 - 80 °C
<b>Storage and transportation temperature range</b>	5 - 25 °C
<b>Shelf life<sup>3)</sup></b>	24 Months

<sup>1)</sup> according to HTC 1250

<sup>2)</sup> at 75°F/24°C, 50% relative humidity

<sup>3)</sup> at 77°F/25°C and 50% relative humidity; from date of manufacture



### Consumption Guide

Cartridge volume = 310 ml (CP 606)

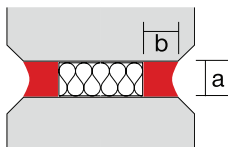
a = Joint width in mm

b = Sealant depth in mm

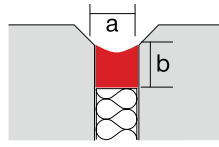
Linear metre per cartridge =  $\frac{\text{Cartridge volume in ml}}{a \times b}$

e.g. a floor 20mm wide with product depth of 10mm; with 310ml cartridge

Therefore linear metres per cartridge =  $310 / (20 \times 10) = 1.55$  metre per cartridge for one side of the floor



Wall

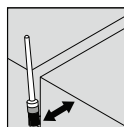


Floor

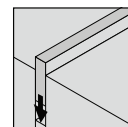
Joint width (mm)	0-15	16-20	21-30
Sealant depth (mm)	6	10	15

### Application Procedure

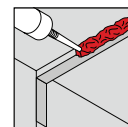
#### Joint installation



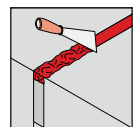
1. Clean opening



2. Insert backing material

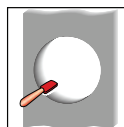


3. Apply CP 606



4. Smooth CP 606

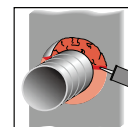
#### Pipe installation (non-combustible pipes only)



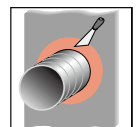
1. Clean opening



2. Insert backing material



3. Apply CP 606



4. Smooth CP 606

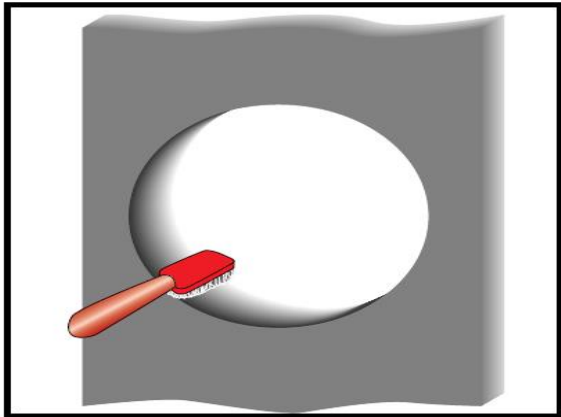
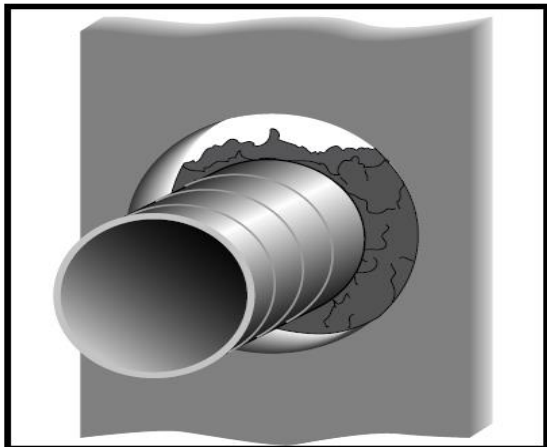
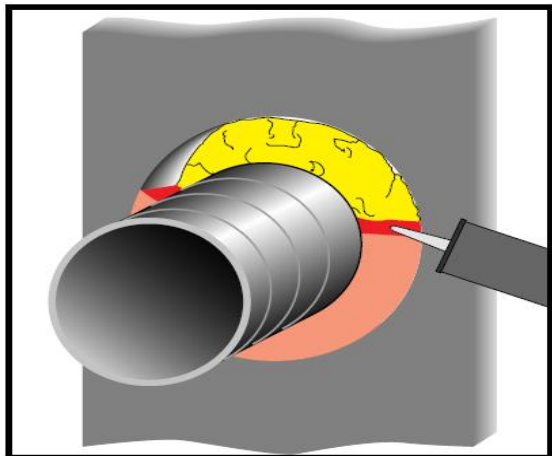
Order Now

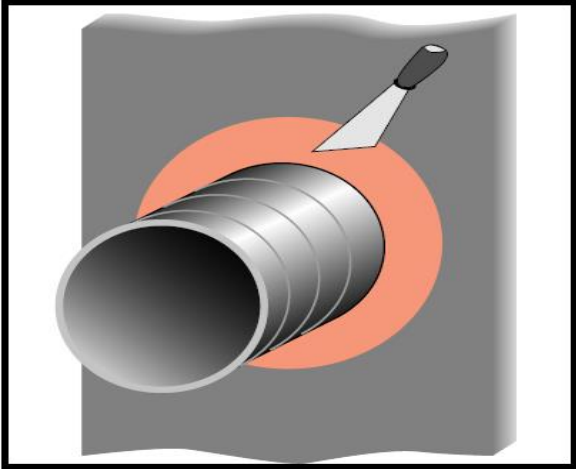
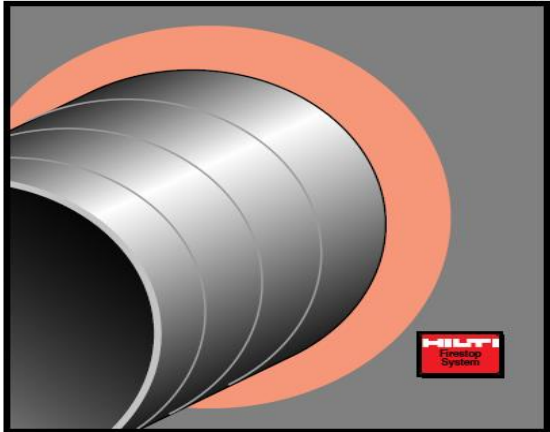


Ordering designation	Colour	Volume per unit	Packaging	Sales pack quantity	Item number
CP 606 310ml INT grey	Grey	310 ml	Cartridge	1 pc	209630
CP 606 580ml INT grey	Grey	580 ml	Foil pack	1 pc	209633
CP 606 310ml white	white	310 ml	Cartridge	1 pc	209625
CP 606 580ml white	white	580 ml	Foil pack	1 pc	209632

Please visit Hilti website for the latest item numbers and related products

**Subject:** Method Statement of CP 606 for Penetration Seal.  
**Material:** CP 606 firestop sealant  
**Accessory:** Hilti Dispenser CFS-DISP or Hilti Dispenser CS 270-P1 or equivalent.

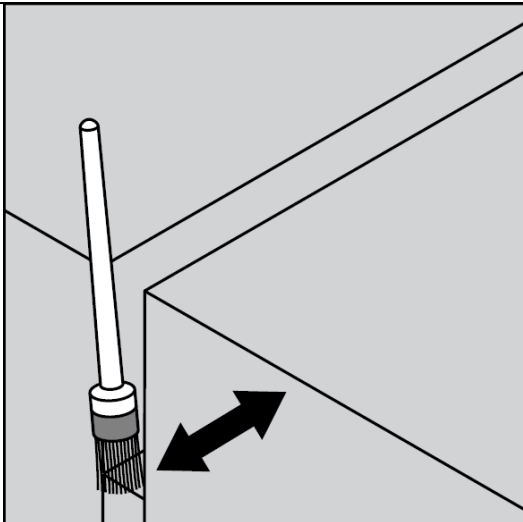
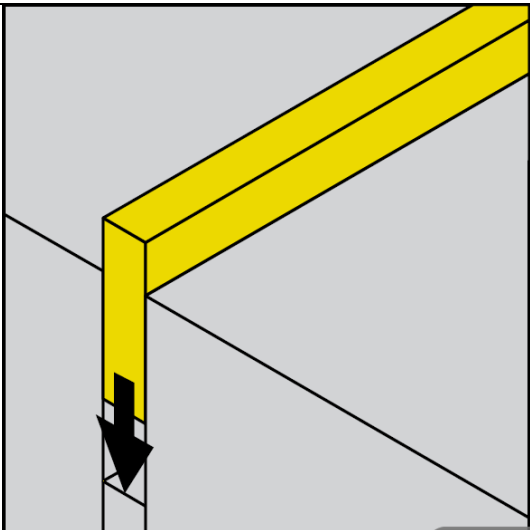
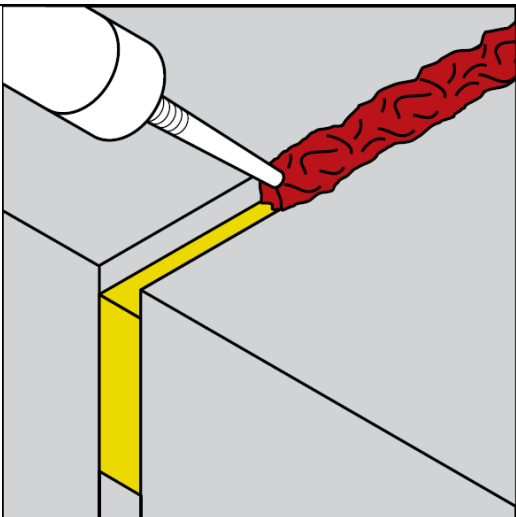
Setting Operation												
1	Clean the opening. Joint sides and surfaces to which CP 606 will be applied must be sound, dry and free from dust, oil and grease.											
												
2	Insert the required fill of mineral wool and backer.											
												
3	Apply firestop CP 606 over backer.											
	<table border="1"><tr><td>Joint width (mm)</td><td>0-15</td><td>16-20</td><td>21-30</td></tr><tr><td>Sealant thickness (mm)</td><td>6</td><td>10</td><td>15</td></tr></table>				Joint width (mm)	0-15	16-20	21-30	Sealant thickness (mm)	6	10	15
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Sealant thickness (mm)	6	10	15									
												

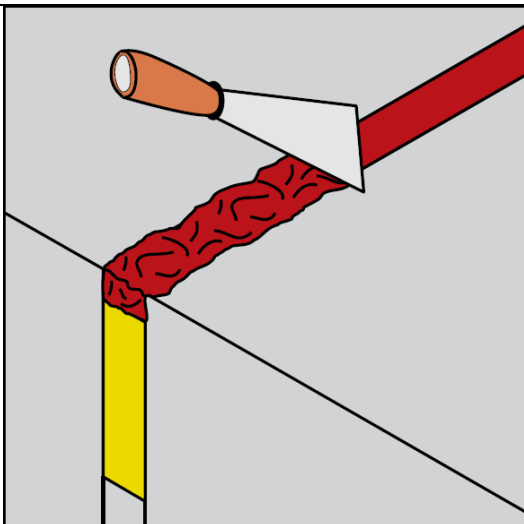
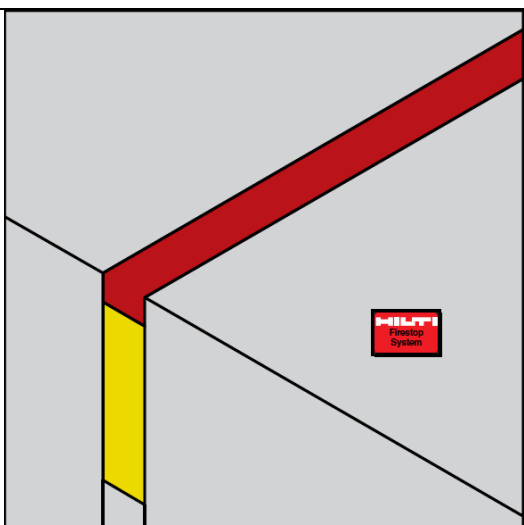
4	Smooth the firestop sealant with a trowel before the skin forms. Once cured, CP 606 can only be removed mechanically.	
5	For maintenance reasons, a penetration seal could be permanently marked with an identification plate. In such a case, mark the identification plate and fasten it in a visible position next to the seal.	

### Safety precautions:

- Never use in areas immersed in water
- Keep out of reach of children
- Read the Material Safety Data Sheet
- Eyes and hands must be suitably protected
- Avoid contact with eyes or skin
- Only use in well ventilated areas

**Subject:** Method Statement of CP 606 for Linear Joint Seal  
**Material:** CP 606 firestop sealant  
**Accessory:** Hilti Dispenser CFS-DISP or Hilti Dispenser CS 270-P1 or equivalent.

Setting Operation												
1	Clean the opening. Joint sides and surfaces to which CP 606 will be applied must be sound, dry and free from dust, oil and grease.											
2	Insert fill of mineral wool or backing material (if required)											
3	Apply CP 606 over the backing material . <table border="1" data-bbox="196 1525 845 1590"><tr><td>Joint width (mm)</td><td>0-15</td><td>16-20</td><td>21-30</td></tr><tr><td>Sealant thickness (mm)</td><td>6</td><td>10</td><td>15</td></tr></table>			Joint width (mm)	0-15	16-20	21-30	Sealant thickness (mm)	6	10	15	
Joint width (mm)	0-15	16-20	21-30									
Sealant thickness (mm)	6	10	15									

4	Smooth CP 606 using a trowel before the skin forms. It can only be removed mechanically once it is cured.	
5	For maintenance reasons, a penetration seal would be permanently marked with an identification plate. In such a case, mark the identification plate and fasten it in a visible position next to the seal	

#### Safety precautions:

- Never use in areas immersed in water
- Keep out of reach of children
- Read the Material Safety Data Sheet
- Eyes and hands must be suitably protected
- Avoid contact with eyes or skin
- Only use in well ventilated areas



澳門發展及質量研究所  
Instituto para o Desenvolvimento e Qualidade, Macau  
Institute for the Development and Quality, Macau

# 檢測報告

No. 2024-FRT138

試件名稱： CP 606 wall joint

報告發送致送檢單位：

送檢單位： 喜利得(香港)有限公司 (HILTI (HONG KONG) LIMITED)

報告日期： 2024 年 11 月 12 日

複檢日期： 2027 年 11 月 12 日



# 檢測報告

No. 2024-FRT138

## 1 引言

依據歐洲標準 BS EN 13501-2 : 2016《建築產品及建築構件的防火性能分級 – 第2部分：使用防火性能測試數據進行分級（不包括通風設施）》，對喜利得(香港)有限公司 (HILTI (HONG KONG) LIMITED)送檢的線性連接密封件之耐火性能進行分級。按送檢單位要求，線性連接密封件之耐火性能需要滿足 BS EN 13501-2 : 2016 的 EI 240-V-X-W30 等級要求。

## 2 試件資料

試件名稱	CP 606 wall joint
送檢單位名稱	喜利得(香港)有限公司 (HILTI (HONG KONG) LIMITED)
試件製造商	Hilti Gesellschaft mit beschränkter Haftung Industriegesellschaft für Befestigungstechnik
試件產地	德國

測試試件為一個線性連接密封件。試件資料在澳門發展及質量研究所發出的檢測報告編號：TEED-2024-FRT-138 內有詳細的描述。

## 3 檢測報告

依據以下檢測報告的測試結果，對線性連接密封件“CP 606 wall joint”的耐火性能進行分級：

檢測報告編號	TEED-2024-FRT-138
檢測日期	2024 年 09 月 21 日
報告日期	2024 年 11 月 12 日





#### 4 測試結果

4.1 檢測標準：歐洲標準 BS EN 1366-4：2021《服務設施的防火性能測試 - 第4部分：線性連接密封件》及 BS EN 1363-1：2020《防火性能測試（一般原則）》。

4.2 檢測結果如下：

耐火完整性 (E)：	持續火焰	240 分鐘 (未失效)
	縫隙測量	240 分鐘 (未失效)
	點燃棉墊	240 分鐘 (未失效)
耐火隔熱性 (I)：	密封件最高溫度	240 分鐘 (未失效)
	密封件接縫最高溫度	240 分鐘 (未失效)

#### 5 性能分級

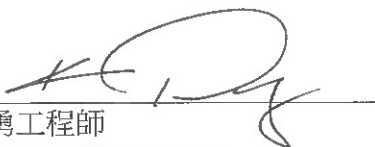
依據 BS EN 13501-2：2016 的條款 7.5，對線性連接密封件“CP 606 wall joint”的耐火性能進行分級，判定其耐火性能：滿足 BS EN 13501-2：2016 的 EI 240-V-X-W30 等級要求。

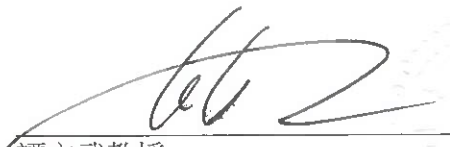
#### 6 限制說明

本報告並不代表產品的型式認可或認證。

編寫，

批准，

  
黃傑勇工程師  
澳門發展及質量研究所

  
譚立武教授  
澳門發展及質量研究所



澳門發展及質量研究所  
Instituto para o Desenvolvimento e Qualidade, Macau  
Institute for the Development and Quality, Macau

# 檢測報告

TEED-2024-FRT-138

試件名稱： CP 606 wall joint

報告發送致送檢單位：

送檢單位： 喜利得(香港)有限公司 (HILTI (HONG KONG)  
LIMITED)  
澳門布魯塞爾街 70 號建興龍廣場地下 W 舖

報告日期： 2024 年 11 月 12 日

澳門發展及質量研究所





## 關注事項

1. 檢測報告未加蓋檢測單位“檢測專用章”無效；
2. 檢測報告無報告編寫員，審核人，批准人簽名無效；
3. 報告塗改無效；
4. 未經本實驗室書面同意，不得部分複製檢測報告(完整複製除外)；
5. 複印檢測報告未重新加蓋“檢測專用章”無效；
6. 檢測報告僅對送檢試件負責；
7. 對檢測報告若有異議，應於收到報告之日起十五日內向本實驗室提出；
8. 有關試件的相關信息由送檢單位提供，本實驗室並沒有求證相關信息及並不負責。

地址：澳門氹仔徐日昇寅公馬路澳門發展及質量研究所  
查詢電話：00853-28371008  
投訴電話：00853-28371008  
電子郵箱：contract@idq.org.mo  
網址：<http://www.idq.org.mo>  
傳真：00853-28356162  
郵編：999078





# 檢測報告

試件名稱	CP 606 wall joint		
送檢單位名稱	喜利得(香港)有限公司 (HILTI (HONG KONG) LIMITED)		
收樣編號	FS-240921-01		
試件特徵描述	試件外觀：線性連接密封件，外觀完好 試件數量：1 件		
試件型號規格	填縫尺寸：2640mm (H) × 30mm (W) 填縫厚度：150mm <u>CP606 資料：</u> 密度：約 1.5 g/cm <sup>3</sup> 體積收縮率（固化後）：約 20% 容許變形：±10% 表皮形成時間：約 15 分鐘 固化速度：約 2mm/3 天		
試件製造商	Hilti Gesellschaft mit beschränkter Haftung Industriegesellschaft für Befestigungstechnik	試件產地	德國
送樣日期	2024 年 09 月 19 日		
檢測項目	線性連接密封件耐火性能		
檢測依據	BS EN 1366-4：2021《服務設施的防火性能測試 - 第 4 部分：線性連接密封件》 BS EN 1363-1：2020《防火性能測試（一般原則）》		
檢測日期	2024 年 09 月 21 日		

TEED-2024-FRT-138

第2頁，共 29 頁





檢測結果	依據 BS EN 1366-4 : 2021《服務設施的防火性能測試 - 第 4 部分：線性連接密封件》，經檢測後，該線性連接密封件檢測結果如下：		
	耐火完整性 (E)：	持續火焰	240 分鐘 (未失效)
		縫隙測量	240 分鐘 (未失效)
		點燃棉墊	240 分鐘 (未失效)
	耐火隔熱性 (I)：	密封件最高溫度	240 分鐘 (未失效)
		密封件接縫最高溫度	240 分鐘 (未失效)
簽發日期：2024 年 11 月 12 日			
備註	1. 送檢單位附上試件圖紙 (見附錄 A 參考圖 1-圖 3) 2. 主要檢測設備：立式耐火測試爐體 (TEED-FE-002)		

報告編寫員：

孫翔

審核：

林振雄

批准：

  
黃傑勇 (授權簽字人)

TEED-2024-FRT-138

第3頁，共 29 頁





## 1 檢測目的

- 1.1 按照送檢單位要求，依據歐洲標準 BS EN 1366-4：2021《服務設施的防火性能測試 - 第 4 部分：線性連接密封件》，檢測一個線性連接密封件之耐火性能。

## 2 試件綜述

- 2.1 測試試件為一個線性連接密封件，主要由 Hilti CP606 和岩棉所組成，按照送檢單位要求，連接密封件的尺寸被設定為：2640mm (H) × 30mm (W) × 150mm (Thk.)，連接密封件的安裝方法是先在混凝土的連接縫中間填充 120mm (Thk.)的岩棉，再在其向火面及背火面各填充 15mm (Thk.)的 Hilti CP606 所組成。試件之圖則及組成部分均由送檢單位提供，詳細資料可以分別參照附錄 A 的圖 1 至圖 3，以及附錄 A 的表 1。
- 2.2 試件由送檢單位於 2024 年 09 月 19 日送樣至本實驗室及進行安裝，並於 2024 年 09 月 21 日進行檢測。本實驗室沒有參與試件的選取工作。
- 2.3 試件由送檢單位安裝於檢測框上，該檢測框由本實驗室提供。試件為一件 150mm 厚的混凝土之間，尺寸為 2640mm (H) × 30mm (W)的連接縫密封件。混凝土與檢測框架之間以 150mm 厚的磚牆體封堵。
- 2.4 試件之向火面及背火面由送檢單位指定。
- 2.5 試件之厚度、外觀及組成部件已由本實驗室檢測員檢查。
- 2.6 試件在檢測前數天內安裝完畢。由送檢單位送樣至檢測前，本實驗室的溫度在 30°C 至 31°C 之間，相對濕度在 64%至 65%之間。





### 3 測試設備及程序

- 3.1 測試設備按照歐洲標準 BS EN 1363-1：2020 的要求設置。
- 3.2 爐體內部之平均溫度值由 9 個平均分佈於爐內的板式熱電偶取得，熱電偶距離試件向火面表面 $(100 \pm 50)$ mm，依據歐洲標準 BS EN 1363-1：2020 所指定之溫度時間關係而操控升溫。
- 3.3 爐體內設有壓力計以監察爐體壓力，依據歐洲標準 BS EN 1366-4：2021 及 BS EN 1363-1：2020，設定試件中心位置的平面壓力值為 15Pa。在測試開始的 5 分鐘後，試件中心位置的平面壓力值維持在  $15 \pm 5$ Pa；在測試開始的 10 分鐘後，試件中心位置的平面壓力值維持在  $15 \pm 3$ Pa。
- 3.4 試件背火面設有 7 個熱電偶以作監察溫度之用，試件背火面的所有熱電偶均用作判斷試件的耐火隔熱性。其中，試件背火面密封件的最高溫度由熱電偶 TC1 至 TC3 測量，背火面密封件接縫位置的最高溫度由 TC4 至 TC7 測量。
- 3.5 準備棉墊及縫隙測量探棒，在測試過程中用作評估試件的耐火完整性。
- 3.6 測試過程中，應分別記錄試件的變形情況和試件出現全部或部分毀壞時的時間。試件背火面如有火焰並持續 10 秒或以上，以及有煙氣散發出的情況也應記錄。
- 3.7 試件向火面及背火面於測試前後需拍照記錄。測試過程中，需拍照及用攝錄機記錄試件背火面的情況以作日後評估之用。







#### 4 測試數據及資料

4.1 測試過程所記錄之數據可以參照附錄 B，記錄內容如下：

4.1.1 實際爐溫按照歐洲標準 BS EN 1363-1：2020 所指定的溫度時間關係圖及表格，分別見圖 4 及表 2；

4.1.2 實際爐體內試件中心位置的壓力面的壓力時間關係圖，見圖 5；

4.1.3 試件的背火面熱電偶位置、背火面溫度圖及背火面溫度表格，分別見圖 6、圖 7 及表 3；

4.1.4 試件的變形量量度位置及變形量數值，分別見圖 8 及表 4；

4.2 在測試過程中，試件的觀察情況已詳細記錄於附錄 C 之表 5，以供參考。

4.3 有關試件圖片見附錄 D。

4.4 試件檢測開始時，周圍環境溫度為 28.3°C。檢測期間，周圍環境溫度為 27.0°C 至 29.2°C。

4.5 在送檢單位的同意下，在 240 分鐘後終止本試件整個測試。

#### 5 耐火極限之評定條件

5.1 按歐洲標準 BS EN 1366-4：2021 之標準，試件之耐火性能將會根據以下之條件作評定：

5.1.1 耐火完整性 — 當測試過程中，i) 在試件之背火面進行棉墊點燃測試；ii) 如試件背火面出現較大的裂縫，用 6mm 及 25mm 直徑之量測棒來量測裂縫之寬度和深度；iii) 試件背火面出現持續的火焰。如棉墊沒有被試件背火面之高溫點燃、試件背火面未出現能讓量測棒插入貫通之裂縫、試件背火面未有出現達到 10s 或以上持續的火焰，試件之耐火完整性才被判斷為合格。







5.1.2 耐火隔熱性 – 當測試過程中，試件發生以下任一限定情況，均判斷試件失去耐火隔熱性，i) 試件背火面任一單點位置(包括移動熱電偶)的溫度升幅超過試件背火面初始溫度 180°C；ii) 試件之耐火完整性失效。

## 6 檢測結果

6.1 依據歐洲標準 BS EN 1366-4：2021《服務設施的防火性能測試 - 第 4 部分：線性連接密封件》，經檢測後，該線性連接密封件檢測結果如下：

耐火完整性 (E)：	持續火焰	240 分鐘 (未失效)
	縫隙測量	240 分鐘 (未失效)
	點燃棉墊	240 分鐘 (未失效)
耐火隔熱性 (I)：	密封件最高溫度	240 分鐘 (未失效)
	密封件接縫最高溫度	240 分鐘 (未失效)

\* 在送檢單位的同意下，在 240 分鐘後終止本試件整個測試。

## 7 限制說明

7.1 本報告依據歐洲標準 BS EN 1363-1：2020，以及歐洲標準 BS EN 1363-2：1999 (如適用)，詳細地描述了試件的構造方法、測試情況及測試結果。任何顯著的偏差，包括試件的尺寸、詳細構造、承重、壓力、安裝方式及支撐結構等，超出相關測試標準允許的直接應用範圍，本報告並不涵蓋。

7.2 由於本測試的性質及其量化測量不確定度的難度，本測試並不可能提供測試結果的準確度。





7.3 本測試結果僅反映在特定的測試條件下，對特定的試件之測試情況。本測試結果並非判斷試件在實際應用時防火特性的唯一標準，同時亦不反映試件在實際火場上所能表現的防火性能。

7.4 本報告僅對送檢試件負責。

## 8 檢測結果的直接應用

8.1 本報告的檢測結果適用於歐洲標準 BS EN 1366-4：2021 的條款 13 的直接應用範圍。如果需要透過計算去確定特定的性能分級的直接應用範圍，必須要提供計算方法及計算結果。





## 附錄 A

### 試件構造說明及附圖

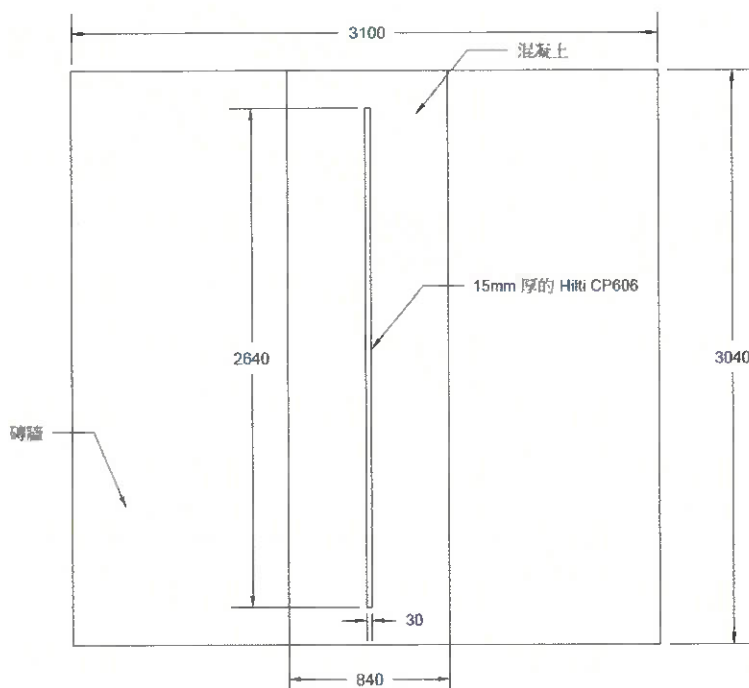


圖 1 測試試件之向火面圖

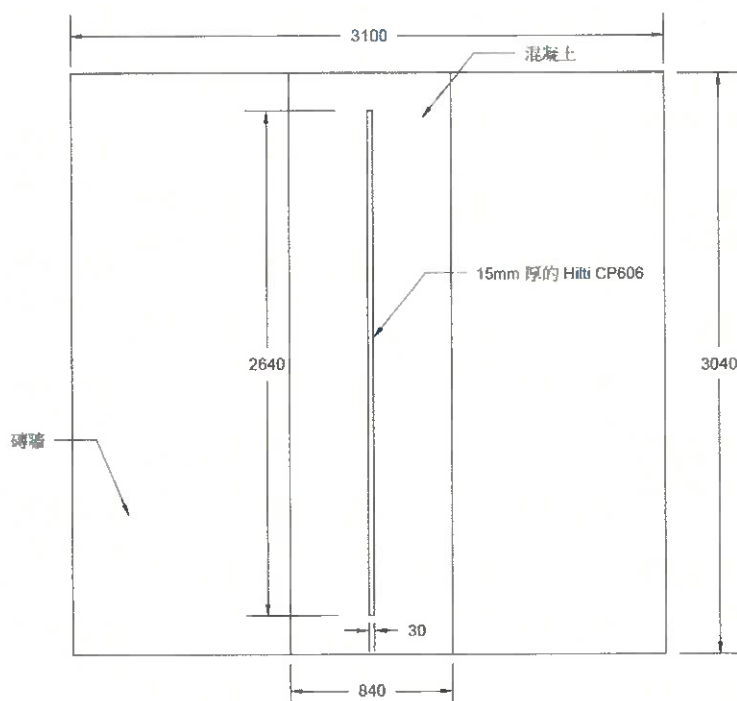


圖 2 測試試件之背火面圖



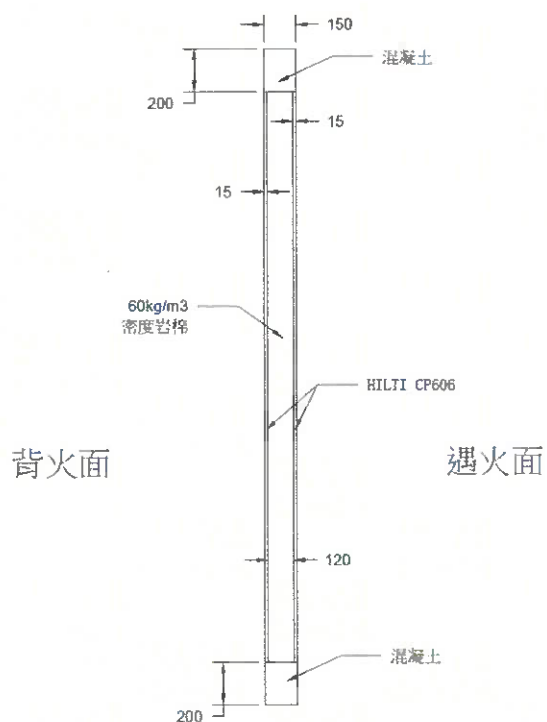


圖 3 測試試件之縱剖面圖





### 試件組件資料

(參照附錄 A 之圖 1 到圖 3)

(除非有特別指定，否則全部數值都為理論值)

(全部資料和數值均由送檢單位喜利得(香港)有限公司 (HILTI (HONG KONG) LIMITED))提供，本實驗室並沒有求證有關數值)

表 1 試件組件資料列表

項目	組件	描述
1.	Hilti CP606 防火填縫	尺寸：2640mm (H) × 30mm (W) × 150mm (Thk.) 由 120mm (Thk.)的岩棉填充，再在向火面及背火面填充 15mm (Thk.)的 Hilti CP606 所組成
2.	Hilti CP606	製造商：Hilti Gesellschaft mit beschränkter Haftung Industriegesellschaft für Befestigungstechnik 品牌：Hilti 型號：CP 606 產地：德國 密度：約 1.5 g/cm <sup>3</sup> 體積收縮率（固化後）：約 20% 容許變形：±10% 表皮形成時間：約 15 分鐘 固化速度：約 2mm/3 天 基礎材質：混凝土、磚石 填充位置：分別填充於縫隙的岩棉向火面及背火面，向 火面及背火面的填充厚度均為 15mm
3.	岩棉	製造商：ROCKWOOL Firesafe Insulation (Guangzhou) Co., Ltd. 品牌：ROCKWOOL 型號：ThermalRock S (TR-S60) 產地：Qingyuan China 厚度：120mm 密度：60kg/m <sup>3</sup> 填充位置：填充於縫隙中間，填充厚度為 120mm





## 附錄 B

### 測試數據

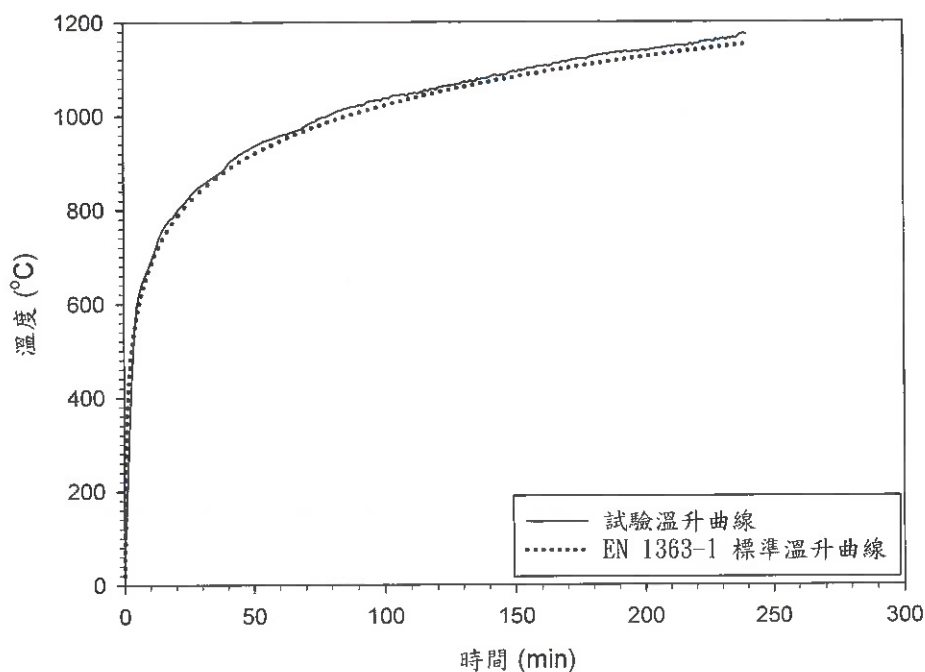


圖 4 平均爐溫與標準(溫度/時間)曲線圖

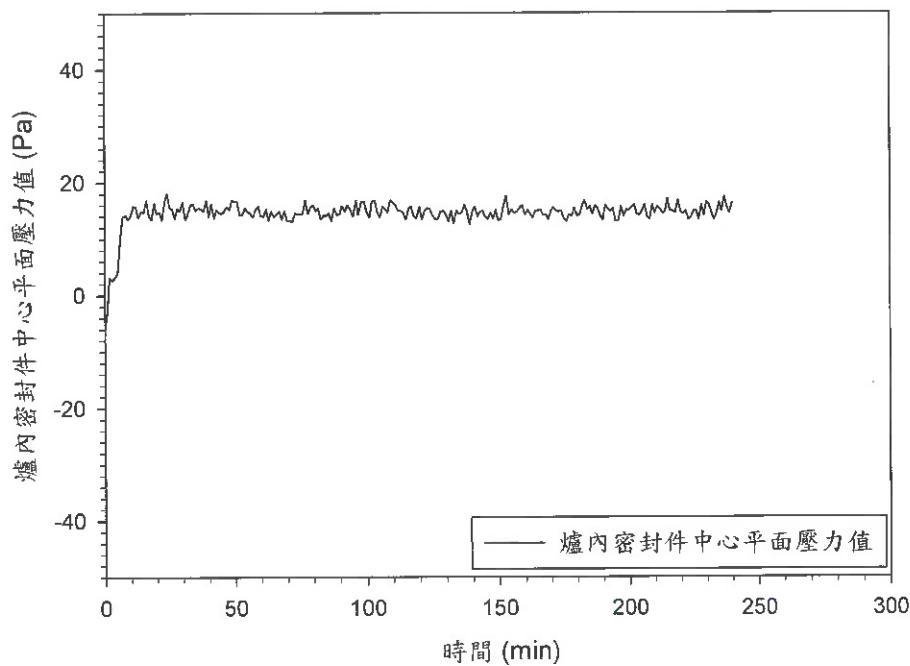


圖 5 爐內密封件中心平面壓力值(壓力/時間)曲線圖





表2 平均爐溫與標準溫度之比較

時間 (min)	標準爐內溫度(°C)	爐內平均溫度(°C)
0	20.0	55.9
1	349.2	165.3
2	444.5	314.5
3	502.3	450.5
4	543.9	541.7
5	576.4	595.0
6	603.1	625.7
7	625.8	644.1
8	645.5	656.8
9	662.8	669.8
10	678.4	683.3
12	705.4	713.5
14	728.3	746.3
16	748.2	766.6
18	765.7	779.8
20	781.4	792.3
22	795.6	806.4
24	808.5	817.9
26	820.5	831.4
28	831.5	842.5
30	841.8	851.4
35	864.8	870.2
40	884.7	894.7
45	902.3	917.8
50	918.1	933.7
55	932.3	946.7
60	945.3	956.9
65	957.3	965.2
70	968.4	977.4
75	978.7	993.0
80	988.4	1002.2
85	997.4	1014.5
90	1006.0	1020.4
95	1014.1	1031.3
100	1021.8	1037.6
105	1029.1	1043.3
110	1036.0	1047.5
115	1042.7	1050.9
120	1049.0	1055.7

\* 測試過程中，實際爐溫控制在標準允許的公差範圍之內





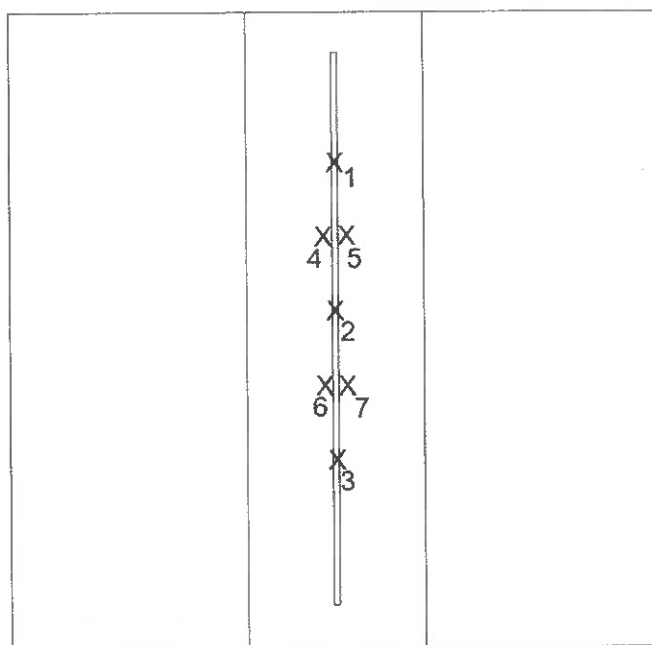
表 2 平均爐溫與標準溫度之比較 (續)

時間 (min)	標準爐內溫度(°C)	爐內平均溫度(°C)
130	1061.0	1080.3
140	1072.1	1095.1
150	1082.4	1106.2
160	1092.1	1113.8
170	1101.2	1125.9
180	1109.7	1135.7
190	1117.8	1140.2
200	1125.5	1146.8
210	1132.8	1154.0
220	1139.8	1163.0
230	1146.4	1172.9
240	1152.8	1080.3

\* 測試過程中，實際爐溫控制在標準允許的公差範圍之內







○：平均溫升熱電偶

□：最高溫升熱電偶

圖 6 測試試件之背火面熱電偶位置圖

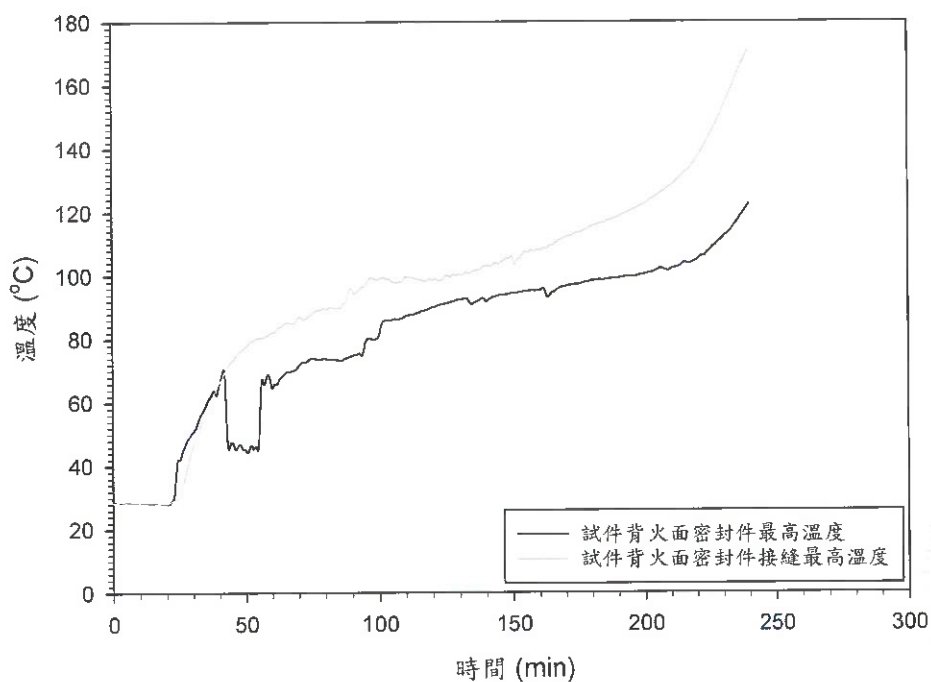


圖 7 測試試件之背火面溫度/時間曲線圖

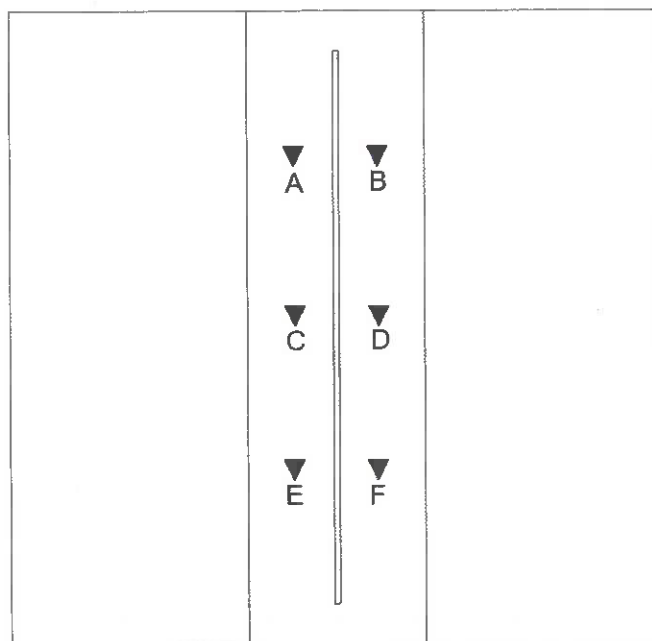




表3 測試試件之背火面單點溫度

時間 (min)	單點熱電偶溫度(°C)						
	1	2	3	4	5	6	7
0	28.5	28.5	28.7	28.2	28.4	28.4	28.5
5	28.5	28.5	28.5	28.2	28.4	28.4	28.4
10	28.3	28.4	28.3	28.0	28.3	28.2	28.1
15	28.2	28.1	28.0	27.9	28.0	28.0	28.0
20	28.2	28.1	29.2	28.3	28.4	28.3	28.1
25	32.2	42.1	40.3	64.0	31.0	54.2	31.5
30	87.6	50.7	53.0	81.2	45.9	52.2	40.7
35	92.6	59.2	57.6	84.4	57.2	52.6	47.5
40	90.7	66.3	59.9	79.8	66.4	52.3	53.3
45	84.7	47.4	62.7	73.4	73.2	48.9	57.6
50	75.9	45.2	66.4	71.5	77.5	48.2	61.4
55	79.0	47.2	70.4	73.2	80.4	50.7	67.0
60	74.6	64.8	82.1	85.6	82.1	50.4	69.8
65	66.8	69.3	84.3	85.2	84.9	48.8	72.2
70	67.1	71.4	83.9	86.1	86.9	49.1	74.7
75	67.2	74.0	87.9	85.6	87.7	52.2	76.8
80	67.0	73.8	91.4	86.2	89.8	54.6	77.8
85	67.3	73.4	92.2	89.3	89.8	55.3	79.7
90	67.8	74.7	90.9	88.9	95.9	55.2	80.6
95	70.6	78.6	91.6	87.6	96.8	59.4	81.3
100	88.6	80.9	86.5	86.8	98.8	72.6	81.6
105	92.9	86.0	83.2	87.7	98.1	83.9	83.9
110	89.5	87.2	84.1	87.6	99.5	76.3	85.5
115	85.0	88.2	84.6	87.7	98.7	73.3	86.9
120	84.5	89.9	83.9	91.1	98.4	73.6	89.1
130	83.4	92.3	87.4	90.5	100.5	76.9	92.0
140	85.0	91.8	89.4	93.4	102.9	76.9	94.7
150	86.7	94.4	91.7	93.7	106.0	78.9	97.1
160	88.0	95.3	93.3	96.6	108.0	80.0	98.3
170	89.9	96.5	93.2	98.1	111.9	83.2	100.4
180	91.7	98.4	93.1	99.7	115.4	86.5	102.3
190	92.5	99.1	93.5	101.9	118.3	89.3	104.2
200	93.9	100.3	95.5	105.9	122.4	94.3	107.4
210	96.0	101.9	95.9	113.9	128.1	99.4	112.1
220	97.4	104.8	96.6	122.4	136.5	103.3	118.3
230	99.1	111.9	98.3	131.6	152.4	110.2	126.6
240	101.6	122.4	99.0	143.4	171.0	120.8	138.1





▼: 變形量測量點

圖 8 測試試件之變形量位置圖

表 4 測試試件之背火面變形量

時間 (min)	位置					
	變形量 (mm)					
	A	B	C	D	E	F
0	0	0	0	0	0	0
30	0	0	0	0	0	0
60	0	0	0	0	0	0
90	0	0	0	0	0	0
120	0	0	0	0	0	0
150	0	0	0	0	0	0
180	0	0	0	0	0	0
210	0	0	0	0	0	0
220	0	0	0	0	0	0
230	0	0	0	0	0	0
240	0	0	0	0	0	0

注：“+”代表向內爐內凹陷，“-”代表向爐外凸出





附錄 C

觀察情況

表 5 測試過程中，觀察本試件情況如下

時間 (小時:分鐘)	事件
-0:01	攝錄機、監察和操控儀器啟動。
0:00	測試開始，周圍環境溫度為 28.3°C。
0:10	試件背火面混凝土中部位置開始有液體滲出。
0:15	試件背火面沒有明顯變化。
0:30	試件背火面中間填縫位置向外凸出，並開始冒煙。
0:45	試件背火面沒有明顯變化。
1:00	試件背火面沒有明顯變化。 試件之耐火完整性及耐火隔熱性仍能符合標準。
1:15	試件背火面沒有明顯變化。
1:30	試件背火面沒有明顯變化。
1:45	試件背火面沒有明顯變化。
2:00	試件背火面沒有明顯變化。 試件之耐火完整性及耐火隔熱性仍能符合標準。
2:15	試件背火面沒有明顯變化。
2:30	試件背火面沒有明顯變化。
2:45	試件背火面沒有明顯變化。
3:00	試件背火面沒有明顯變化。 試件之耐火完整性及耐火隔熱性仍能符合標準。
3:15	試件背火面沒有明顯變化。
3:30	試件背火面沒有明顯變化。
3:45	試件背火面沒有明顯變化。





表 5 測試過程中，觀察本試件情況如下 (續)

時間 (小時:分鐘)	事件
4:00	試件背火面沒有明顯變化。在送檢單位同意情況下，測試結束。 試件之耐火完整性及耐火隔熱性仍能符合標準。
備註	試件背火面結構仍完整 (見圖 26)。







附錄 D

圖片



圖 9 測試前試件向火面

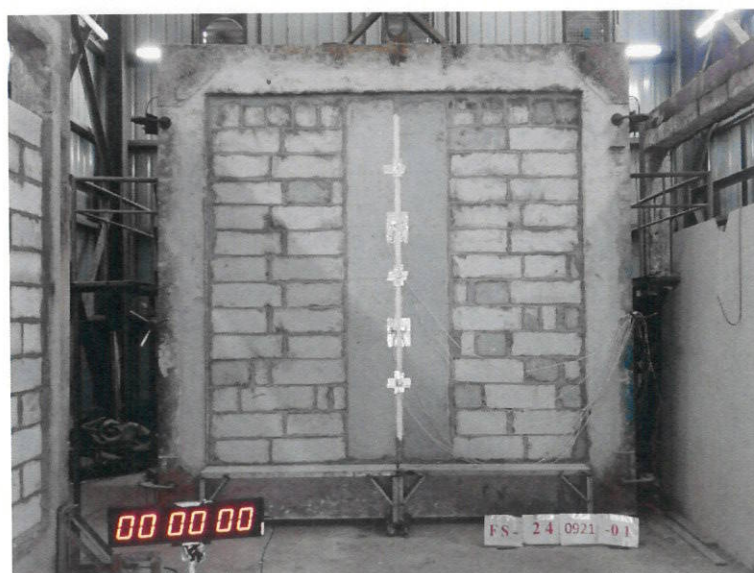


圖 10 測試前試件背火面



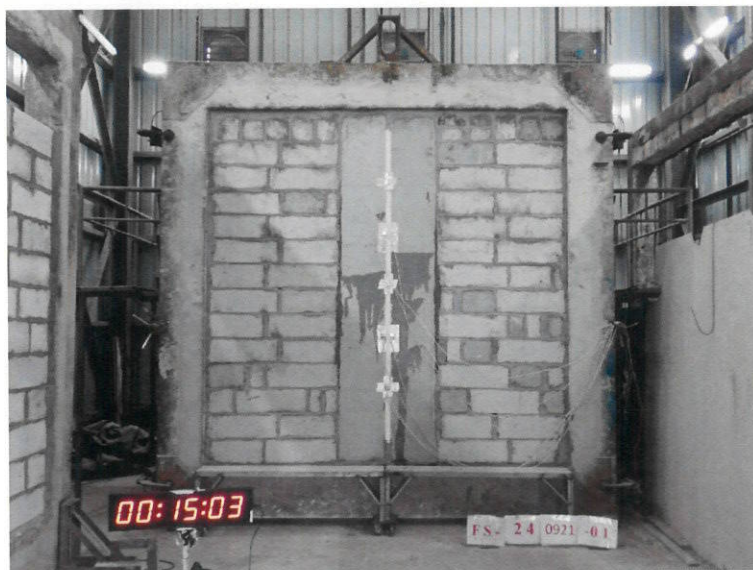


圖 11 測試 15min 後試件背火面

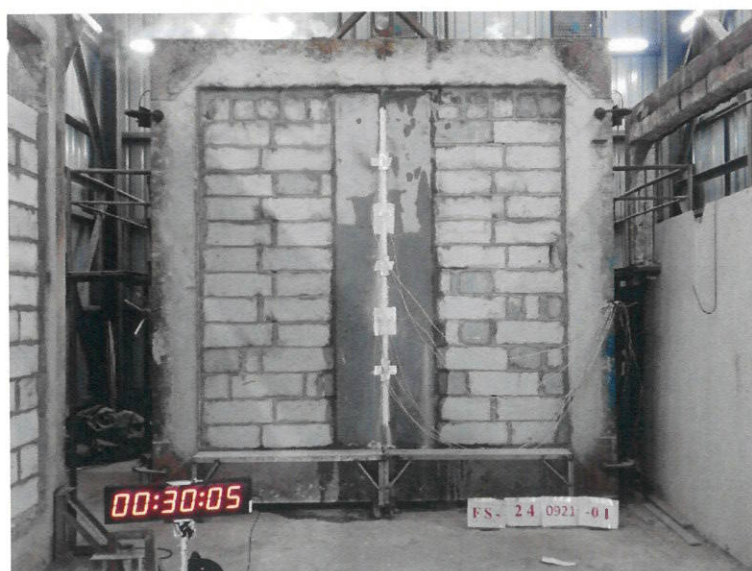


圖 12 測試 30min 後試件背火面





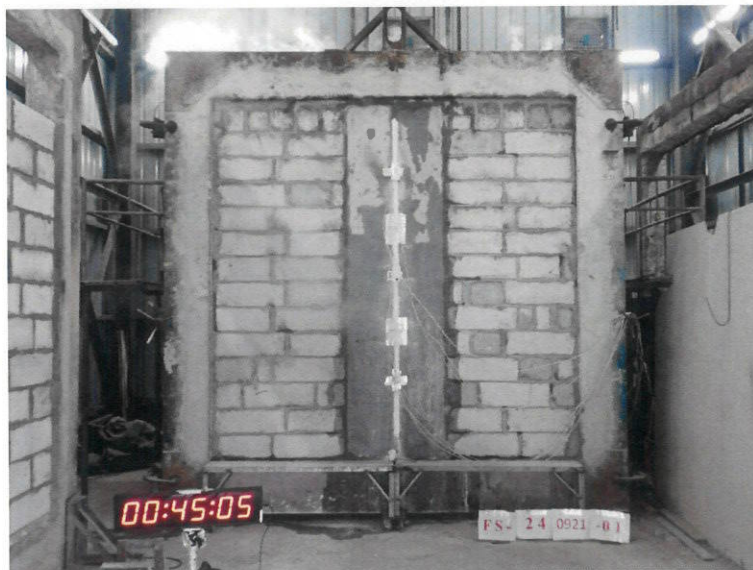


圖 13 測試 45min 後試件背火面

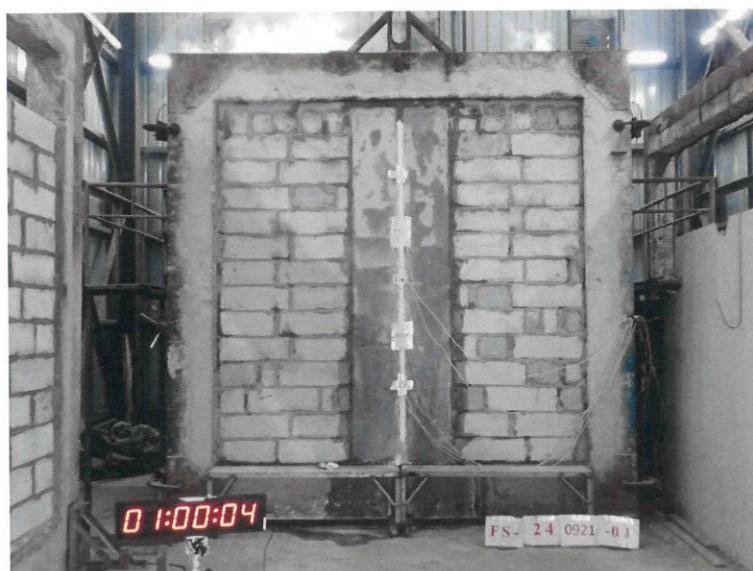


圖 14 測試 60min 後試件背火面







圖 15 測試 75min 後試件背火面

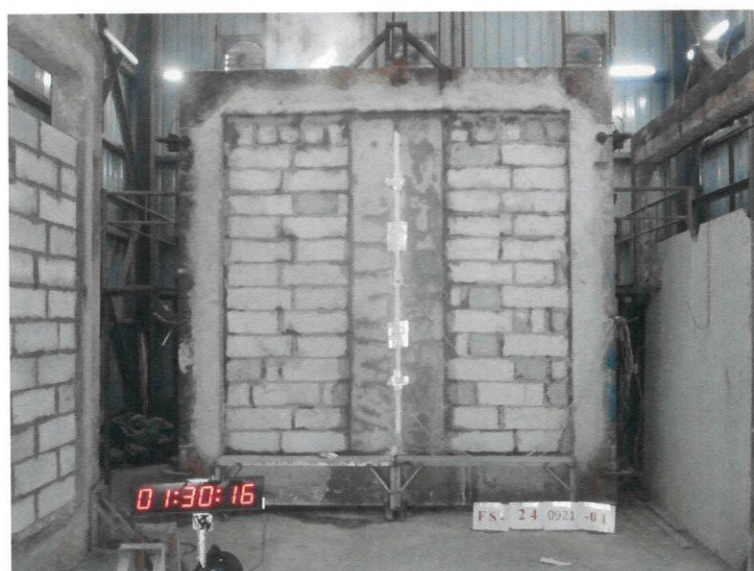


圖 16 測試 90min 後試件背火面





圖 17 測試 105min 後試件背火面

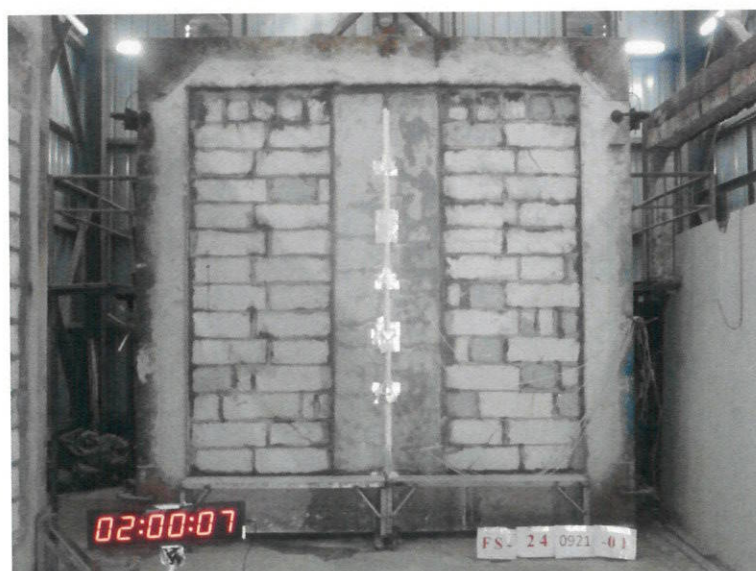


圖 18 測試 120min 後試件背火面



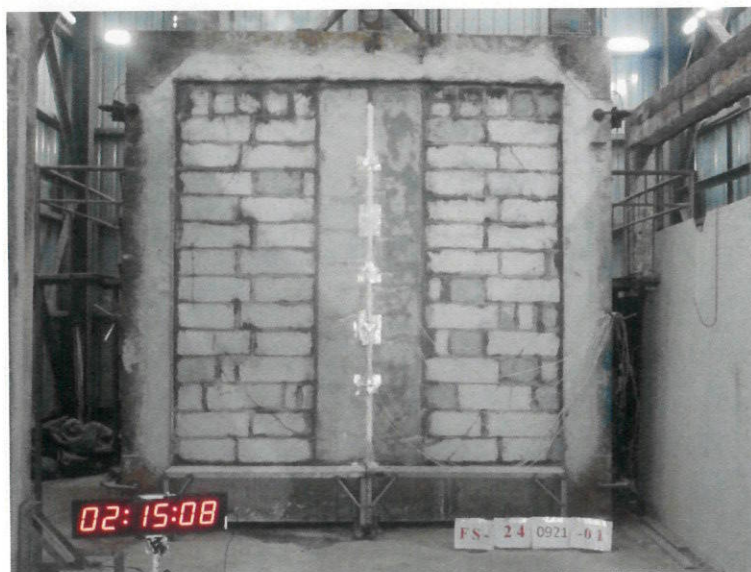


圖 19 測試 135min 後試件背火面

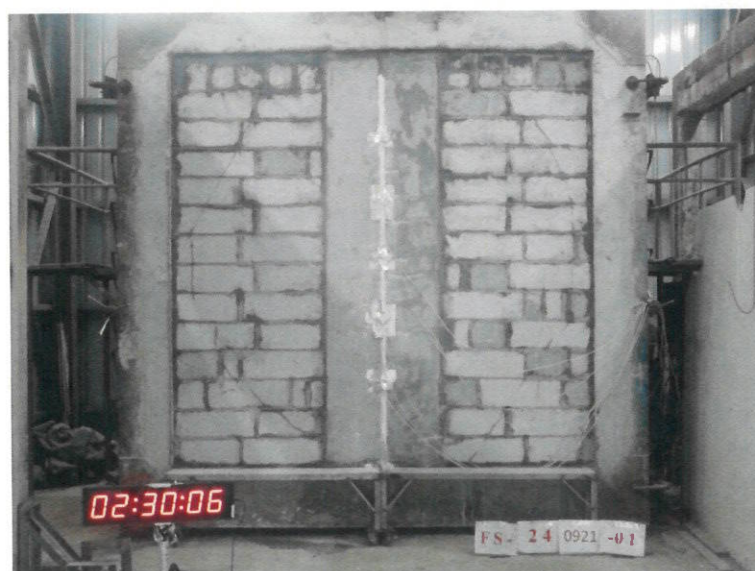


圖 20 測試 150min 後試件背火面





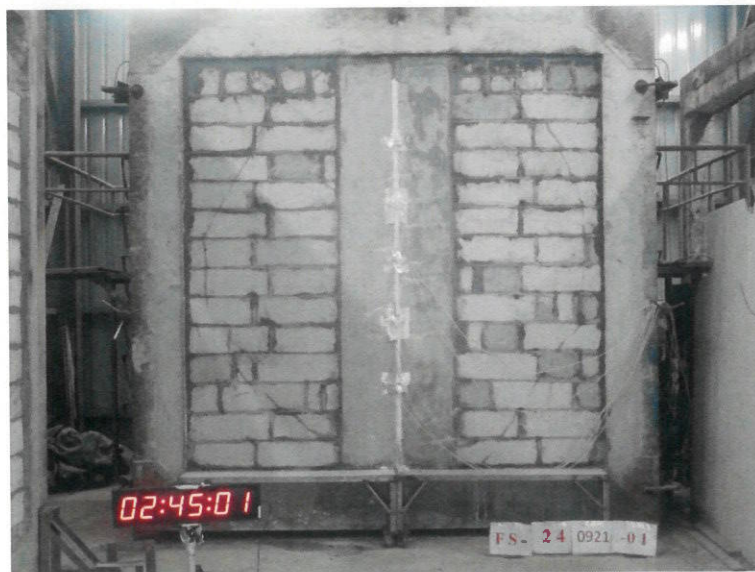


圖 21 測試 165min 後試件背火面

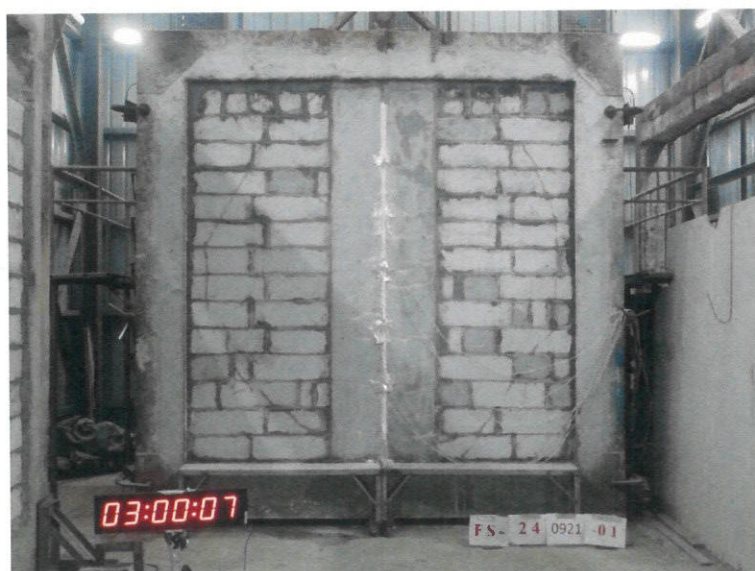


圖 22 測試 180min 後試件背火面



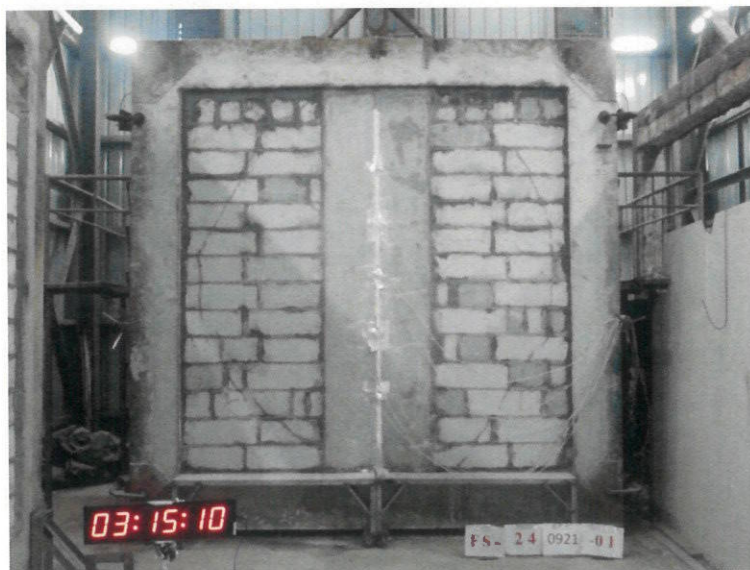


圖 23 測試 195min 後試件背火面

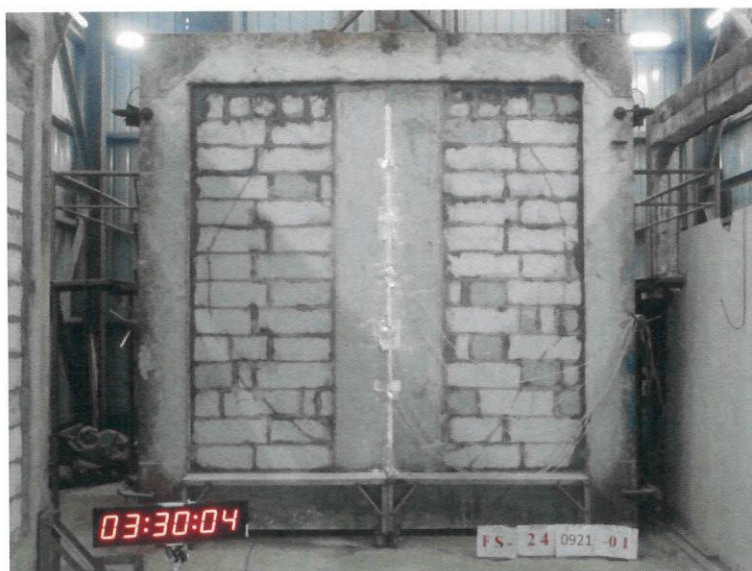


圖 24 測試 210min 後試件背火面



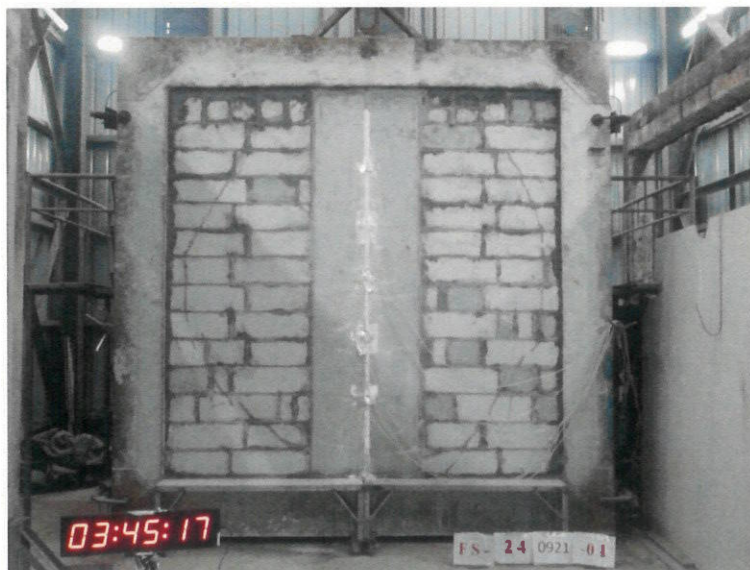


圖 25 測試 225min 後試件背火面

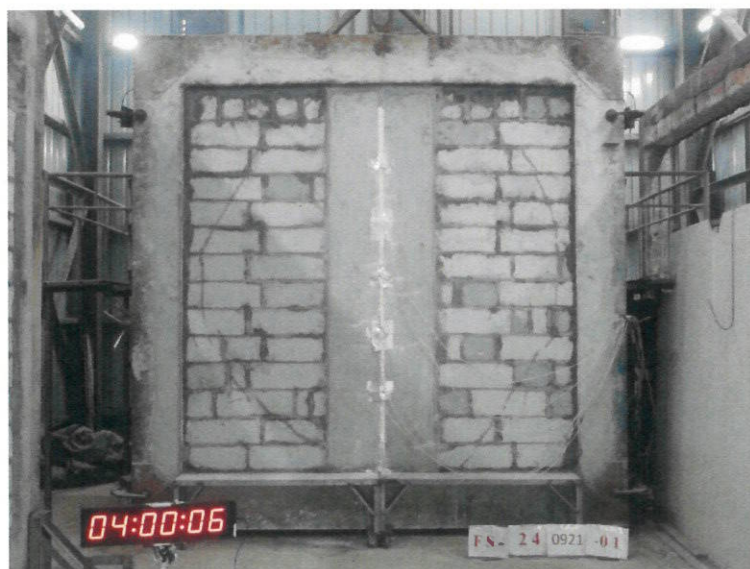


圖 26 測試 240min 後試件背火面







圖 27 測試後試件向火面

-----報告結束-----





88 Empire Drive • St. Paul, Minnesota • 55103  
(651) 642-1150 • fax (651) 642-1239

## VOC Content Test Certificate

October 26, 2009

Supplier: Hilti Entwicklungsgesellschaft mbH  
BU Chemicals  
Hiltistrasse 6  
86916 Kaufering  
GERMANY

Sample Description: Hilti CP 606

Date tested: July 20, 2009

Test Method: SCAQMD method 304-91 Determination of Volatile Organic Compounds (VOC) in various materials as referenced by South Coast Air Quality Management District (SCAQMD) rule 1168. The values also comply with the requirements of EPA test method #24.

Test Data: Legend Project Number 0903311

Specification	Product
<b>LEED 2009 (LEED 3.0) LEED 2.2</b> IEQ-4.1: Low-Emitting Materials – Architectural Sealant	<b>Hilti CP 606</b>
<b>Green Building Council of Australia</b> Green Star Office Design 3.0, IEQ-13 Green Star Office Design 2.0, IEQ-13 Green Star Office Interiors 1.1, IEQ-11	
<b>Architectural Sealant; VOC Limit: 250 g/L</b>	<b>Product contains: 75 g/L of VOC</b>

William Welbes  
Vice President of Laboratory Operations

Allen Noreen, Ph.D.  
Technical Director





澳門特別行政區政府  
Governo da Região Administrativa Especial de Macau  
消防局  
Corpo de Bombeiros

澳門布魯塞爾街 70 號建興龍廣場地  
下 W 座地鋪  
喜利得(香港)有限公司台啟

來函編號  
Sua referência

來函日期  
Sua comunicação de

發函編號  
Nossa referência

澳門何鴻燊博士大馬路  
Av. Doutor Stanley Ho, Macau

2024-11-19

14872/CB-DPI-GEA/OFI/2024

2024-12-12

事由：  
Assunto

寄送意見書 — 申請審批防火填充物料

執事先生：

因跟進 貴司來函，現附上本局第6757/GEL/DPI/2024號意見書複  
印本各乙份。

肅此，順頌  
台祺

消防局局長 梁毓森



澳門特別行政區政府  
Governo da Região Administrativa Especial de Macau  
消防局  
Corpo de Bombeiros

頁編號 1/2  
Pág. n.º 6757/GEL/DPI/2024  
文件編號  
Inf. n.º 10 / 12 / 2024  
日期 :  
Data

核閱  
Visto  
於 11/12/2024  
Em 11/12/2024  
防火廳代廳長  
O Chefe do D.P.I. Substº

意見書

事由：申請審批防火填充物料  
參件編號：--

於 21/11/2024 收到喜利得(香港)有限公司之文書及其附錄文件，本局防火廳之意見如下：

Ø1. 產品列表：

項目	產品名稱	製造商
1.	CP 606 wall joint	Hilti Gesellschaft mit beschränkter Haftung Industriegesellschaft für Befestigungstechnik

1.1 產品規格：

填縫尺寸：2640mm(H) × 30mm(W)

填縫厚度：150mm

CP606 資料：

密度：約 1.5g/cm³

體積收縮率(固化後)：約 20%

容許變形：±10%

表皮形成時間：約 15 分鐘

固化速度：約 2mm/3 天

1.2 根據遞交的資料有以下分析結果：

1.2.1 “CP 606 wall joint”，製造商：Hilti Gesellschaft mit beschränkter Haftung Industriegesellschaft für Befestigungstechnik，經 BSEN1366-4:2021 及 BSEN1363-1:2020 檢驗，檢測結果如下：

持續火焰	240 分鐘(未失效)
耐火完整性(E)：	縫隙測量 240 分鐘(未失效)
	點燃棉墊 240 分鐘(未失效)
耐火隔熱性(I)：	密封件最高溫度 240 分鐘(未失效)
	密封件接縫最高溫度 240 分鐘(未失效)

1.2.2 性能分級：依據 BSEN13501-2:2016 的條款 7.5 對線性連接密封件 “CP 606 wall joint” 的耐火性能進行分級，判定其耐火性能：滿足 BSEN13501-2:2016 的 EI 240-V-X-W30 等級要求；

1.2.3 上述結果只反映與報告(2024-FRT138)相同之尺寸、詳細構造、承重、壓力、安裝方法及支撐結構。

CB211179\_DPI16526\_C-0058



澳門特別行政區政府  
Governo da Região Administrativa Especial de Macau

消防局  
Corpo de Bombeiros

頁編號 2/2  
Pág. n.º  
文件編號 6757/GEL/DPI/2024  
Inf. n.º  
日期: 10 / 12 / 2024  
Data

- 1.3 根據第 15/2021 號法律《樓宇及場地防火安全的法律制度》及第 39/2022 號行政法規核准《樓宇及場地防火安全技術規章》之規定，本廳對此線性連接密封件的耐火性能：滿足 BS EN 13501-2:2016 的 EI 240-V-X-W30 等級要求沒有異議。

葉嘉裕  
首席消防員



# Certificate of Compliance

This certificate is issued for the following firestopping products:

FS-ONE High Performance Intumescent Firestop Sealant	CP 643N Firestop Collar
CP680 Cast-In Firestop Device	CP606 Flexible Firestop Sealant
CP680-N Cast-In Firestop Device	CP-672 Firestop Joint Spray
CP680-P Cast-In Firestop Device	CP620 Firestop Foam
CP682 Cast-In Firestop Device	CP680-M Cast-In Firestop Device
CP 648E Wrap Strip	CP 675T Firestop Board
CP617 Firestop Putty Sticks	CP618 Firestop Putty Sticks
CP601 S Elastomeric Firestop Sealant	CP619T Putty Roll
CP636 Firestop Mortar	CP670 Firestop Board
CP 604 Self Leveling Firestop Sealant	CP673 Firestop Coating
CP611A High Performance Intumescent Firestop Sealant	

## Prepared for:

Hilti AG  
Feldkircherstrasse 100  
FL-9494 Schaan  
Liechtenstein

FM Approvals Class: 4990

Approval Identification: 3051456

Approval Granted: June 4, 2014

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com).

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

Cynthia E. Frank  
AVP - Manager, Materials  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062

Issued: June 30, 2016

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20160930-R13240  
**Report Reference** R13240  
**Issue Date** 2016-September-30

**Issued to:** Hilti Construction Chemicals, Div of Hilti Inc.  
5400 S 122<sup>nd</sup> East Ave  
Tulsa, OK 74146

**This is to certify that  
representative samples of** Fill, Void or Cavity Materials  
Fill, Void or Cavity Materials Certified for Canada

CP 606 Sealant for use in Through-Penetration Firestop,  
Joint in wall and partition Systems as currently described in  
the UL Fire Resistance Directory and in the Products  
Certified for Canada Directory.

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** ANSI/UL 1479, "Fire Tests of Through-Penetration  
Firestops,"  
ANSI/UL 2079, "Tests for Fire Resistance of Building Joint  
Systems,"  
CAN/ULC-S115, "Standard Method of Fire Tests of Firestop  
Systems."

**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please  
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





Attn. : To whom it may concern

Date : 1 April 2025  
Ref. : 037/FP/SC/25

Subject : Country of Origin- Hilti CP 606 Flexible Firestop Sealant

Dear Sir / Madam,

Enclosed please find the information of Hilti CP 606 Flexible Firestop Sealant

Brand Name : Hilti

Model Name : Hilti CP 606 Flexible Firestop Sealant

Manufacturer : Hilti Corporation

Address of Manufacturer : FL-9494, Principality of Liechtenstein.

Manufacturer Contact Person : Spencer Cheung

Supplier : Hilti (Hong Kong) Ltd

Address of Supplier : 701-704, 7/F, Tower A, Manulife Financial Centre,  
223 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Supplier Contact Person : Spencer Cheung (+852 9732 1231)

Country of Origin : Germany

Should you have further questions, please do not hesitate to contact our Technical Representatives, Customer Service Hotline at 8228-8118, or email us at [hksales@hilti.com](mailto:hksales@hilti.com).

Yours faithfully,



Spencer Cheung  
Head of Product Leadership Strategy

**Hilti (Hong Kong) Ltd.**  
701-704 | Tower A | Manulife Financial Centre  
223 Wai Yip Street | Kwun Tong  
Kowloon | Hong Kong  
P +852-8228 8118 | F +852-2954 1751  
[www.hilti.com.hk](http://www.hilti.com.hk)

3<sup>rd</sup> July 2017

To Whom It May Concern:

**Re: Hilti CP 606 Flexible Firestop Sealant – LEED info.**

- The Hilti CP 606 Flexible Firestop Sealant is manufactured in Germany.
- The metal portions of the collars are recyclable.
- There is no recycled content in Hilti CP 606 Flexible Firestop Sealant and it cannot be recycled.
- The Hilti CP 606 Flexible Firestop Sealant does not share any rapidly renewable materials.
- The VOC content of Hilti CP 606 Flexible Firestop Sealant is 75g/l.

If you would like to know more about Hilti solutions for LEED buildings or should you have any further questions, please do not hesitate to contact our Technical Representatives or Customer Service Hotline at 8228-8118.

Yours sincerely,



Dorothy Wai  
Product Manager

**To whom it may concern**

Date: 22<sup>nd</sup> April 2016

Dear Sir / Madam,

**Subject: Hilti Firestop Products non-CFC and Ozone Confirmation**

Referring to your enquiry about the captioned subject, please be advised that:

Hilti firestop products, CP606 Flexible Firestop Sealant is free of CFC, HCFC nor other ozone depletion elements.

CFC, HCFC and ozone depletion elements were not used during the product process neither.

Should you have further questions, please do not hesitate to contact our Technical Representatives or Customer Service Hotline at 8228-8118.

Yours sincerely,



Andrew Lau  
Product Manger

# CFS-S ACR; CP 606

## Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

Issue date: 08/02/2021

Revision date: 08/02/2021

Supersedes: 02/10/2019

Version: 4.7

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form	Mixture
Trade name	CFS-S ACR; CP 606
Type of product	Sealants
Product code	BU Fire Protection



#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture	Flexible firestop sealant
Recommended uses and restrictions	For professional users only
Recommended use	Adhesives, sealants

#### 1.4. Supplier's details

##### Supplier

Hilti (Hong Kong) Ltd.  
701-704, 7/F, Tower A, Manulife Financial Centre  
223 Wai Yip Street, Kwun Tong  
Kowloon - Hong Kong  
T +852 27734 700  
[hksales@hilti.com](mailto:hksales@hilti.com)

##### Department issuing data specification sheet

Hilti AG  
Feldkircherstraße 100  
9494 Schaan - Liechtenstein  
T +423 234 2111  
[chemicals.hse@hilti.com](mailto:chemicals.hse@hilti.com)

#### 1.5. Emergency phone number

Emergency number	Schweizerisches Toxikologisches Informationszentrum – 24h Service +41 44 251 51 51 (international) +852 27734 700
------------------	---

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification according to the United Nations GHS

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### Labelling according to the United Nations GHS

#### 2.3. Other hazards which do not result in classification

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

# CFS-S ACR; CP 606

## Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the applicable regulations

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	Get medical advice/attention if you feel unwell. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	Get medical advice/attention if you feel unwell. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects	Not expected to present a significant hazard under anticipated conditions of normal use.
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide. Sand.
Unsuitable extinguishing media	Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide.
--	----------------------------------

### 5.3. Special protective actions for fire-fighters

Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	Evacuate unnecessary personnel.
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#### 6.1.2. For emergency responders

Protective equipment	For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.
Emergency procedures	Ventilate area.





# CFS-S ACR; CP 606

## Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

### SECTION 9: Physical and chemical properties

#### 9.1. Basic physical and chemical properties

Physical state	Solid
Appearance	Pasty
Molecular mass	Not determined
Colour	red. white. Grey.
Odour	characteristic.
Odour threshold	Not determined
Melting point	Not applicable
Freezing point	Not available
Boiling point	Not available
Flammability (solid, gas)	Not applicable, Non flammable.
Explosive limits	Not applicable
Lower explosive limit (LEL)	Not applicable
Upper explosive limit (UEL)	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
pH	≈ 9 Not applicable
pH solution	Not available
Viscosity, kinematic (calculated value) (40 °C)	Not applicable
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	Not available
Vapour pressure at 50 °C	Not available
Density	1.6 g/cm <sup>3</sup>
Relative density	Not available
Relative vapour density at 20 °C	Not applicable
Solubility	Not available
Particle size	Not available
Particle size distribution	Not available
Particle shape	Not available
Particle aspect ratio	Not available
Particle specific surface area	Not available

#### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions. Not established.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.



# CFS-S ACR; CP 606

## Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified pH: $\approx 9$ Not applicable
Serious eye damage/irritation	Not classified pH: $\approx 9$ Not applicable
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified

### 12.2. Persistence and degradability

CFS-S ACR; CP 606	
Persistence and degradability	Not established.



# CFS-S ACR; CP 606

## Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

### 12.3. Bioaccumulative potential

CFS-S ACR; CP 606	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

CFS-S ACR; CP 606	
Mobility in soil	No additional information available

### 12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available
Other information	Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	Recycle the material as far as possible.
Additional information	European waste catalogue: 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated



# CFS-S ACR; CP 606

## Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

**Air transport**

Not regulated

**Rail transport**

Not regulated

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations specific for the product in question**

No additional information available

**SECTION 16: Other information**

SDS Major/Minor	None
Issue date	08/02/2021
Revision date	08/02/2021
Supersedes	02/10/2019
Other information	None.

SDS\_UN\_Hilti  
*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*





## Hilti CP 606 Firestop Acrylic Sealant Job Reference

Year	Ship To Address	Customer Name
2021	RUA CINCO BAIRRO DA AREIA PRETA	S & M ENGINEERING COMPANY LIMITED
2021	RUA 1 DE MAIO 216B	XIN YUNAKI CONSTRUCTION DECORATION
2021	EDF. KAM WAI	PAK ION ENGENHARIA E INSTALACOES
2022	10 ANDAR A, MACAU	BOTOP ENGINEERING (MACAU) LIMITED
2022	14 ANDAR B - D , MACAU.	LEI LUEN FIRE PROTECTION AND
2022	181A 187 CENTRO COMERCIAL DO GRUPO	CHINA ZHONG JI MECHANICAL INDUSTRY
2022	ALAMEDA DR. CARLOS D'ASSUMPCAO	TIMSON BUILDING MATERIAL LTD.
2022	CENTRO GOLDEN DRAGON	FU LEI FIRE PROTECTION ENGINEERING
2022	EDIF CHINA CIVIL PLAZA 7 ANDAR M	MACAO YAOHUA ENERGY SAVING
2022	TRAVESSA DE CHAN LOC 8	SAN WA AIR-CONDITIONING CO LTD
2022	45-51 KWOK SHUI ROAD	ATAL BUILDING SERVICES (MACAO) LTD
2022	EDF. KAM WAI	PAK ION ENGENHARIA E INSTALACOES
2022	258 EDIF. KIN HENG LONG PLAZA	CONSOLIDATED ENGINEERING
2023	AV. CONCORDIA	GULI METAL & MATERIALS TRADING
2023	RUA DOIS DO BAIRRO DA AREIA PRET	SAN LUEN YING AIR-CON ENG
2023	AV. DE COTAI	SAN IO WA CONSTRUCTION
2023	AV. MARGINAL FLOR DE LOTUS	FAR EAST FACADE (MACAU) LIMITED
2023	RUE DOS PESCADORES	HONGWAY ENGINEERING LIMITED
2023	RUA DOIS DA CIDADE NOVA DE TOI SA	SAN LENG AIR-CONDITIONER &
2023	202-246 R. DE PEQUIM, MACAO	新基石機電工程有限公司
2023	AV. MARGINAL FLOR DE LOTUS	LITTO (MACAU) ENGINEERING CO LTD
2023	AVENIDA MARGINAL FLOR DE LÓTUS	CHEONG OU ENGENHARIA
2023	黑沙灣新填海區P地段置換房(地段A)	SAN YIK AIR CONDITIONING
2024	AVENIDA DE VENCESLAU DE MORAIS 149	SKYDECO GROUP LIMITED
2024	AV. CONCORDIA	GULI METAL & MATERIALS TRADING
2024	AV. DE COTAI	CHUN LUNG ENGINEERING CO LTD
2024	AV. MARGINAL FLOR DE LOTUS	FAR EAST FACADE (MACAU) LIMITED
2024	RUA DOIS DA CIDADE NOVA DE TOI SA	SAN LENG AIR-CONDITIONER &
2024	49 RUA DO MEIO	TIMSON (MACAO) ELECTRICAL AND
2024	RUA DO TARRAFEIRO 6-8C	TAK HONG ELECTRICAL & MECHANICAL
2024	THE LONDONER MACAO B1	SKYDECO GROUP LIMITED
2024	黑沙灣新填海區P地段置換房(地段A)	SAN YIK AIR CONDITIONING
2024	ESTRADA DA BAIA	ANALOGUE BUILDING SERVICES