



Professional fireproofing  
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**KUANG TSAN TECHNOLOGY CO.,LTD**  
廣瓊科技有限公司  
No.171.Chung-Nan Rd.Chung Hua 500  
彰化市彰南路一段171號  
TEL 886-4-7325058 FAX 886-4-7388055  
E-MAIL [service@ktt.com.tw](mailto:service@ktt.com.tw)

**FIRE RESISTANT PRODUCTS**  
COLLECTION GUIDE

## KUANG TSAN COMPANY PROFILE AND PROSPECT 公司簡介

廣環科技公司致力於推廣防火建材，特別是建築物貫穿部防火填塞，這是最重要也是一般大眾易於疏忽的部份；當火災發生時火勢往往會沿著牆壁、樓板的管線貫穿開口處延燒，火勢向其他樓層特別是向上樓層蔓延擴大，產生煙囪效應，將使火勢迅速擴散、受災範圍擴大。所以管道貫穿部的防火填塞是建築防火中最重要的一部份，必須運用正確的貫穿部阻火延燒系統達到更完善的防火效果。內政部建築研究所指出，建築物內防火區劃部之樓板及牆壁貫穿處需要施作阻火延燒工程，範圍包括下列地方：

- 給水、排水管貫穿樓板及牆壁部分縫隙。
- 電線、電纜(槽)貫穿樓板及牆壁部分縫隙。
- 空調風管貫穿樓板及牆壁部分縫隙。
- 排煙風管貫穿樓板及牆壁部分縫隙。
- 樓板與牆、牆與牆間之伸縮接合縫隙。

阻火延燒系統使用到專業阻火材料，將樓層及牆板內管件設備穿孔縫隙作完整的填塞及密封處理，

本公司致力研究各項防火產品，目前已開發：

- 凝固型防火泥 ■ 凝固型膨脹防火泥 ■ 非凝固型防火泥 ■ 阻燃防火包 ■ 防火套管 ■ 陶瓷纖維棉 ■ 防火板

本公司防火系列商品貫穿部防火材料工法，經過內政部營建署指定之實驗機構實際燒測驗證，均通過國內貫穿部防火試驗CNS 14514(2hr/阻熱T Rating/遮焰F Rating)的防火認證標準。廣環科技專業於建築防火填塞，由台美共同研發製造，以提供國人高安全規格之產品，以及專業防火貫穿填塞技術諮詢，防止火災蔓延，保障使用者生命與財產安全。廣環秉持著“負責、品質、專業”的理念提升建築體的安全與價值，絕對是大家可以信賴的專業團隊。

Kuang Tsan Technology, Inc. is committed to the promotion of fire prevention materials, especially building structure penetration fire prevention filling. This is the most important and most neglected part by the general public. When fires break out, it will often spread along the walls and the pipeline openings that go through the floors. The fire will spread to other floors, especially towards the floor above, creating a chimney effect, which allows the fire to spread quickly and widen the area of the disaster. Therefore, fire proof filling of the pipelines penetrations are an important part of building fire protection, and requires the correct penetration fire proof system to achieve complete fire protection effects.

Ministry of the Interior's Building Research Institute pointed out that the floor and wall penetration fire prevention plan requires fire prevention construction, and the areas include the following:

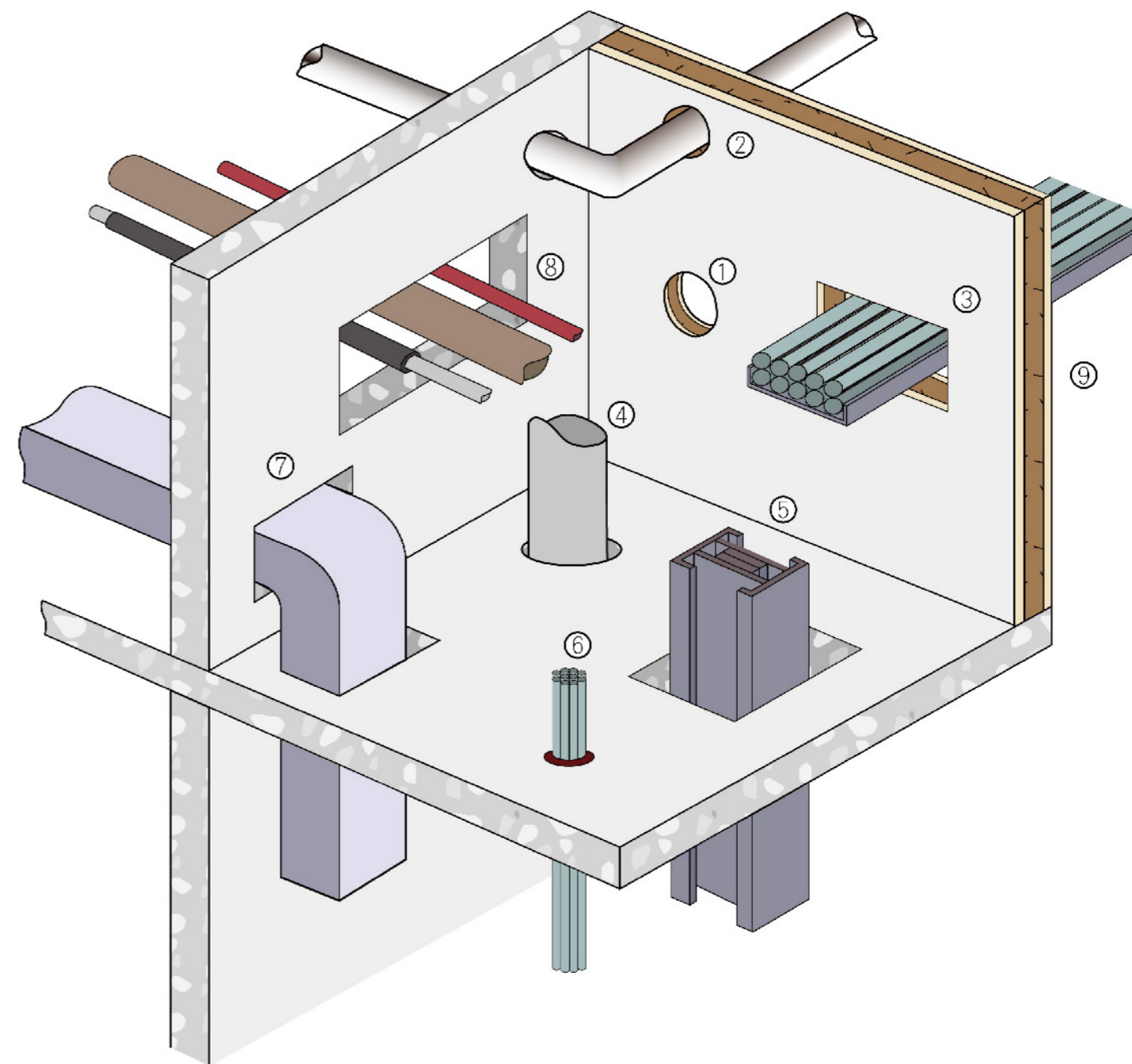
- Water supply and drainage gaps that penetrate through the floors and walls.
- Wires, cables (tray) gaps that penetrate through the floors and walls.
- Air duct gaps that penetrate through the floors and walls.
- Exhaust duct gaps that penetrate through the floors and walls.
- The telescopic joint gaps between floor and wall and between wall and wall.

Fire prevention system uses professional fire retardant material to completely fill and seal the gaps between floors, walls, and piping. Our company is committed to the research of fire protection products, and has so far developed:

- Solidifying type fire resistant filler ■ Solidifying type expansion fire resistant filler ■ Non-solidifying type fire resistant filler
- Fire resistant packing ■ Combustion proof fire resistant sleeve ■ Ceramics Fiber ■ Combustion proof fire resistant board

Our company's fire prevention series of products and penetration fireproof material methods has been through the Ministry of Interior's Construction and Planning Agency's designated laboratory testing, and has been certified in the domestic penetration fire proofing test CNS 14 514 (2hr / thermal resistance T Rating / cover flame F Rating) criteria.

## PIPELINES SKETCH MAP 管線示意圖



① 空孔 ② 金屬管件 ③ 電纜線槽架 ④ 塑膠管件 ⑤ 匯流排

⑥ 電纜線束 ⑦ 風管 ⑧ 複雜管件 ⑨ 輕隔間

## 凝固型防火泥 KT-1003 溶劑/粉劑

### 使用範圍 USE

凝固型阻燃防火泥(KT-1003)是由耐高溫無機材料與溶劑混合而成，對於貫穿管件可充分發揮防火效果，凝固型防火泥受到火與熱等高溫作用時，會產生炭層阻止火的延燒及熱的傳遞，適用於建築物管線貫穿部，對於樓板與牆板之部分，電纜線架、金屬管、塑膠管、風管、匯流排、空調管路等開孔貫穿，使用凝固型防火泥(KT-1003)能有效阻絕火焰瞬間延燒及濃煙毒氣擴散，降低火災蔓延擴大。

Solidifying type fire resistant filler (KT-1003) is made from combining high temperature resistant inorganic materials and the solvent. It gives full fire retardant effect for penetrations. When solidifying type fire retardant caulk is under fire and high temperature, it will produce a carbon layer to prevent the spread of fire and heat transfer. It is suitable as building conduit penetration fire resistant sealant and filler. For floors and wall panels, cable trays, metal piping, plastic piping, air ducts, wiring conduits, air conditioning route opening penetration, using solidifying type fire resistant filler (KT-1003) can effectively prevent flames and toxic smoke from spreading, reducing the spread and expansion of fires.

### 產品特性、規格 PRODUCT FEATURES, SPECIFICATIONS

- 規格：二劑型：(溶劑20kg/桶(5加侖)、粉劑20kg/箱)
- 顏色：棗紅色、灰色
- 不垂流、無揮發性物質
- 不含石棉、鹵素有毒物質
- 耐火極限：≥2hr(T Rating/ F Rating)
- 密度：1.8g/cm<sup>3</sup>
- 氧指數：≥50
- 煙密度：<10
- 固化時間：<15min
- 黏著力：與混凝土及金屬等有高度黏著力
- 腐蝕性：對鉛、銅、PVC及不銹鋼無腐蝕性
- Specification: Binary compound formula : (Solvent 20kg/barrel、Powder 20kg/box)
- Color: maroon, gray
- Not dripping, Non-volatile substances
- Does not contain asbestos, toxic halogen
- Fire resistance limit: ≥ 2h(T Rating/F Rating)
- Density: 1.8g/cm<sup>3</sup>
- Oxygen index: ≥ 50
- Smoke density : <10
- Curing time: <15min
- Adhesive force: High degree of adhesion with concrete and metal.
- Corrosiveness: Non-corrosive to lead, copper, PVC and stainless steel.

### 防火性能 FIRE PERFORMANCE

- 符合標準：CNS-14514認證標準。符合美國防火法規ASTM E-814 (同UL-1479及ASTM E-119)。
- 防火時效：貫穿部防火試驗CNS 14514 (2hr/阻熱T Rating/ 遮焰F Rating)的防火認證標準。
- Standard Qualification: CNS-14514 certification standard. Complies with U.S. fire regulations ASTM E-814 (with UL-1479 and ASTM E-119).
- Fire resistant time: Penetration fire prevention test CNS 14514 (2hr / thermal resistance T Rating / cover flame F Rating) fire prevention certification standards.

### 施工方式 METHOD OF USE

- 施工之前必需先將孔洞內灰塵油漬、碎物清理乾淨，用濕布擦拭乾淨，乾燥無塵後予以施工。
- 凝固型阻燃防火泥為雙劑型，是由耐高溫無機粉料與溶劑以1:1之比例混合攪拌均勻後，灌入孔洞中，用抹刀抹平即可。
- 根據孔洞大小估算用量，調和量不宜過多，以免固化不能再使用。
- Before filling, the hole must be cleared of all dust and debris, and wiped clean with a damp cloth. After the surface is cleaned and dried, it can then be filled.
- Solidifying type fire resistant filler is a binary compound. The high temperature resistant inorganic powder should be mixed uniformly with a 1:1 ratio of the solvent, poured into the hole, and the surface smoothed out with a spatula.
- Mix an estimated amount according to the size of the hole. Do not mix too much, because once it hardens, it cannot be re-used.

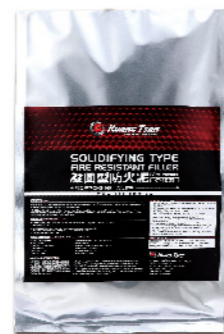
### 儲存 STORAGE

建議儲存室內通風乾燥陰涼處，儲存溫度10℃~35℃，嚴防受潮。

Recommend storing indoors in a ventilated, shady, and dry area. Storage temperature is 10 °C ~ 35 °C to prevent dampening.



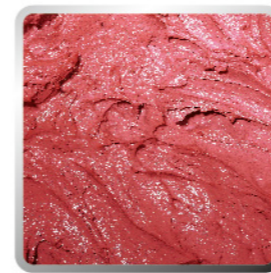
凝固型防火泥 KT-1003 粉劑  
細部圖



凝固型防火泥 KT-1003 粉劑



凝固型防火泥 KT-1003 溶劑



凝固型膨脹防火泥 KT-1005  
細部圖



凝固型膨脹防火泥 KT-1005

## 凝固型膨脹防火泥 KT-1005

### 使用範圍 USE

凝固型膨脹防火泥(KT-1005)是重要的防火封堵材料，具有吸熱作用，屬於膨脹型防火材料，當火災發生時，遇火能迅速產生膨脹炭層將貫穿物的縫隙封堵，有效阻絕火焰及熱氣，阻止濃煙傳播，主要適用於建築物管件貫穿部，對於樓板與牆板部分之電纜線架、金屬管、風管、匯流排、等開孔貫穿。

Solidifying type expansion fire resistant filler(KT-1005) is an important fire prevention filling material. It has an endothermic effect, belongs to the expansion type fire retardant material, and when fire breaks out it will quickly generate expansion of carbon layer to seal gaps of penetrations when met with fire. It can effectively prevent flame, heat, and smoke from spreading. It is mainly used for building pipe penetrations, and for penetration of cable racks, metal pipes, ducts, bus, and other openings between floors and walls.

### 產品特性、規格 PRODUCT FEATURES, SPECIFICATIONS

- 規格：20kg/桶(5加侖)
- 顏色：磚紅色
- 硬化時間：5~10天
- 耐火極限：≥2hr(T Rating/ F Rating)
- 煙密度<20
- 受熱產生膨脹炭層。
- 黏性佳施工簡易，安裝迅速。
- 耐燒蝕性能佳。
- 無揮發性物質。
- Specification:20kg/ barrel(5 gallon)
- Color: brick red
- Hardening time : 5~10 days
- Fire resistance limit: ≥ 2h(T Rating/F Rating)
- Smoke density<20
- Heated expansion of the carbon layer.
- Adhesiveness is good for easy and quick installation.
- Good burn resistance.
- Non-volatile substances

### 防火性能 FIRE PERFORMANCE

- 符合標準：CNS-14514認證標準。符合美國防火法規 ASTM E-814(同UL-1479及ASTM E-119)。
- 防火時效：貫穿部防火試驗CNS 14514 (2hr/阻熱TRating/ 遮焰F Rating)的防火認證標準。
- Standard Qualification: CNS-14514 certification standard. Complies with U.S. fire regulations ASTM E-814 (with UL-1479 and ASTM E-119).
- Fire resistant time: Penetration fire prevention test CNS 14514 (2hr / thermal resistance T Rating / cover flame F Rating) fire prevention certification standards.

### 施工方式 METHOD OF USE

- 施工之前必需先將孔洞內灰塵、油漬、碎物清理乾淨，用濕布擦拭乾淨，乾燥無塵後予以施工。
- 施工時填塞凝固型膨脹防火泥，至所要求的厚度，並抹平即可。
- Before filling, the hole must be cleared of all dust, splotch and debris, and wiped clean with a damp cloth. After the surface is cleaned and dried, it can then be filled.
- When installing, fill in solidifying type expanding fire prevention caulk to the desired thickness, and smooth out.

### 儲存 STORAGE

建議儲存室內通風乾燥陰涼處，儲存溫度10℃~35℃，嚴防受潮。

Recommend storing indoors in a ventilated, shady, and dry area. Storage temperature is 10 °C ~ 35 °C to prevent dampening.

## NON-SOLIDIFYING TYPE FIRE RESISTANT FILLER

# 非凝固型防火泥 KT-1002 2kg

### 使用範圍 USE

KT-1002非凝固型防火泥主要是由有機高分子材料所組成，具有一定可塑性和柔韌性，遇火炭化，能形成堅固與隔熱之防火填塞材料。適用於建築物管線貫穿部防火封填耐燃材料，對於樓板與牆板之部分，因電纜線架、金屬管、塑膠管、風管、匯流排、空調管路等開孔貫穿，使用非凝固型防火泥(KT-1002)能有效阻絕火焰瞬間延燒及濃煙毒氣擴散，降低火災蔓延擴大。該產品施工方便，以便往後更換增減管路容易，一般可與其他填塞材料（如阻燃防火包KT-2005）組合使用。

KT-1002 non-solidifying type fire resistant filler mainly composed of organic polymer materials. It has a certain elasticity and flexibility. When in contact with fire, it carbonizes, creating solid and effective insulating fire resistant filler. It is suitable as building conduit penetration fire resistant sealant and filler. For floors and wall panels, cable trays, metal piping, plastic piping, air ducts, wiring conduits, air conditioning route opening penetration, using non-solidifying type fire resistant filler (KT-1002) can effectively prevent flames and toxic smoke from spreading, reducing the spread and expansion of fires. This product is convenient to use, in order to easily increase or decrease future pipelines. Normally, it can be used with other filler material (such as fire resistant packing KT-2005) in use.

### 產品特性、規格 PRODUCT FEATURES, SPECIFICATIONS

- 規格：20kg/箱
  - 顏色：棗紅色
  - 耐火極限：≥2hr(T Rating/ F Rating)
  - 氧指數：≥50
  - 煙密度<60
  - 遇熱具膨脹性
  - 施工簡易，可塑性佳
  - 高黏著性、耐火性強
  - 無揮發性物質
  - 不含石棉、鹵素有毒物質
- Specification: 20kg / box
  - Color: maroon
  - Fire resistance limit: ≥ 2h(T Rating/F Rating)
  - Oxygen Index: ≥ 50
  - Smoke density <60
  - Expands when heated
  - Simple to use, good elasticity
  - High adhesiveness, strong fire resistance
  - Non-volatile substance
  - Does not contain asbestos, toxic halogen



非凝固型防火泥 KT-1002  
細部圖

### 防火性能 FIRE PERFORMANCE

- 符合標準：CNS-14514認證標準。符合美國防火法規ASTM E-814(同UL-1479及ASTM E-119)。
- 防火時效：貫穿部防火試驗CNS 14514 (2hr/阻熱T Rating/ 遮焰F Rating)的防火認證標準。
- Standard Qualification: CNS-14514 certification standard. Complies with U.S. fire regulations ASTM E-814 (with UL-1479 and ASTM E-119).
- Fire resistant time: Penetration fire prevention test CNS 14514 (2hr / thermal resistance T Rating / cover flame F Rating) fire prevention certification standards.

### 施工方式 METHOD OF USE

- 施工之前必需先將孔洞內灰塵、碎物清理乾淨，用濕布擦拭乾淨，乾燥無塵後予以施工。
- 可直接將非凝固防火泥均勻鋪於孔洞中，如孔洞較大，可先用防火網做骨架，以增加支撐強度。
- 施工期間氣溫較低時，可先將防火泥連同包裝袋至於40℃~70℃溫水中加熱後，再進行揉製後施工。
- Before filling, the hole must be cleared of all dust and debris, and wiped clean with a damp cloth. After the surface is cleaned and dried, it can then be filled.
- Non-solidifying type fire resistant filler can be applied directly to hole. If the hole is larger, fire resistant mesh can be used to make a frame to increase support strength.
- If the temperature is low during the period of use, the package of non-solidifying type fire resistant filler can be immersed in 40℃~70℃ warm water to heat up. Once it has softened, it can be used.

### 儲存 STORAGE

建議儲存室內通風乾燥陰涼處，以原始包裝儲存溫度10℃~35℃，嚴防受潮。

Recommend storing indoors in a ventilated, shady, and dry area. Storage temperature is 10℃~35℃ to prevent dampening.



非凝固型防火泥 KT-1002

## FIRE RESISTANT PACKING

# 阻燃防火包 KT-2005 380g / 700g

### 使用範圍 USE

KT-2005阻燃防火包外部由編織緊密特殊處理的玻璃纖維布組成，內部是由防火耐熱材料製成，具有阻火及防煙效果施工方便，遇火時防火包內之防火耐熱材料能迅速膨脹，能有效封堵各種孔洞及縫隙之作用，然而主要適用於建築物管線貫穿部防火封填耐燃材料，對於樓板與牆板之部分，因電纜線架、金屬管、塑膠管、風管、配線導管、空調管路等開孔貫穿，使用阻燃防火包(KT-2005)能有效阻絕火焰瞬間延燒及濃煙毒氣擴散，達到有效將火勢控制在火災發生的局部範圍內，降低火災蔓延擴大，用防火包做填塞，可取代過去耐火磚、岩棉等材料，相比之下阻燃防火包更有顯著隔熱耐火效果。

The exterior of the KT-2005 fire resistant packing is made from tightly woven specially treated fiberglass fabric. The interior is made from fire and heat-resistant material which have the ability to resist fire and smoke effects and is easy to use. When met with fire, the fire and heat-resistant material in the packing will quickly expand and rapidly and effectively block all holes and cracks. It is mainly suitable as building conduit penetration fire resistant sealant and filler. For floors and wall panels, cable trays, metal piping, plastic piping, air ducts, wiring conduits, air conditioning route opening penetration, using fire resistant packing (KT-2005) can effectively prevent flames and toxic smoke from spreading, reducing the spread and expansion of fires. Using fire resistant packing as filler can replace past fire resistant bricks, rock wool, etc. In comparison, fire resistant packing has significantly more insulation and fire resistant effects.

### 產品特性、規格 PRODUCT FEATURES, SPECIFICATIONS

- 規格：700g/包、380g/包(±20g)
  - 氧指數：≥50
  - 煙密度<60
  - 耐火極限：≥2hr(T Rating/ F Rating)
  - 施工簡易，容易拆移，可重複使用
  - 不含石棉、鹵素有毒物質
  - 無揮發性物質
- Specification: 700g / bag、380g / bag(±20g)
  - Oxygen Index: ≥ 50
  - Smoke density <60
  - Fire resistance limit: ≥ 2h(T Rating/F Rating)
  - Easy to use, easy removal, and reusable
  - Does not contain asbestos, toxic halogen
  - Non-volatile substances



阻燃防火包 KT-2005  
產品細部圖

### 防火性能 FIRE PERFORMANCE

- 符合標準：CNS-14514認證標準。符合美國防火法規ASTM E-814(同UL-1479及ASTM E-119)。
- 防火時效：貫穿部防火試驗CNS 14514 (2hr/阻熱T Rating/ 遮焰F Rating)的防火認證標準。
- Standard Qualification: CNS-14514 certification standard. Complies with U.S. fire regulations ASTM E-814 (with UL-1479 and ASTM E-119).
- Fire resistant time: Penetration fire prevention test CNS 14514 (2hr / thermal resistance T Rating / cover flame F Rating) fire prevention certification standards.

### 施工方式 METHOD OF USE

- 施工之前必需先將孔洞內灰塵、碎物清理乾淨，用濕布擦拭乾淨，乾燥無塵後予以施工。
- 施工時，將防火包平鋪於貫穿開口處，疊緊擠壓平均即可。
- Before filling, the hole must be cleared of all dust and debris, and wiped clean with a damp cloth. After the surface is cleaned and dried, it can then be filled.
- When using, place the fire resistant packing in the penetration opening and stack tightly together.

### 儲存 STORAGE

建議儲存室內通風乾燥陰涼處，以原始包裝儲存溫度10℃~35℃，嚴防受潮。

Recommend storing indoors in a ventilated, shady, and dry area. Storage temperature is 10℃~35℃ to prevent dampening.



阻燃防火包 KT-2005



**BUILDING ON STRENGTH** THE BEST QUALITY  
THE BEST RESPONSE  
TO OUR CUSTOMERS' NEEDS

## COMBUSTION PROOF FIRE RESISTANT SLEEVE 阻燃防火管套 KT-5008

### 使用範圍 USE

阻燃防火管套(KT-5008)是由外殼為防鏽金屬材質，內圍為膨脹型阻燃防火材料組合而成的防火套環，方便於安裝至各種不同尺寸的塑膠管上，用於固定樓板或牆面之貫穿體上，如當火災發生時，套環內之防火材料會迅速膨脹，擠壓至塑膠管內，有效封堵塑膠管內之縫隙，並在表面碳化一層高密度碳化之保護層，阻絕火焰與濃煙毒氣經由貫穿體面蔓延出去。

Combustion proof fire resistant sleeve (KT-5008) is made from an exterior of corrosion resistant metal shell and an interior of expanding combustion proof fire resistant material to form a fire resistant fitting. It is simple to use on a variety of different sizes plastic piping and for fixing floor or wall penetrations. If there is a fire, the fire resistant material in the sleeve will quickly expand, squeezing into the plastic piping and effectively sealing cracks within the plastic piping. The surface will form a dense carbon protective layer and effectively prevent flames, smoke, and poisonous gas from spreading through the penetration.

### 儲存 STORAGE

建議儲存室內通風乾燥陰涼處。  
Recommend storing indoors in a ventilated, shady, and dry area.



### 產品特性 PRODUCT FEATURES, SPECIFICATIONS

- 耐火極限：≥ 2hr(T Rating)
- 遇熱具膨脹性≥20倍
- 煙密度 < 15
- 施工簡易，安裝迅速。
- 耐高溫、抗氧化性能。
- 無揮發性物質。
- 套環表面防鏽蝕、耐潮濕。
- 規格：2" 3" 4" 5" 6"
- Fire resistance limit: ≥ 2h(T Rating/F Rating)
- Expansion rate when exposed to heat ≥ 20 times
- Smoke density < 15
- Simple to use, speedy installation.
- High temperature resistant, oxidation resistance.
- Non-volatile substances.
- Anti-corrosion sleeve surface, moisture resistant.
- Size: 2"3"4"5"6"

### 防火性能 FIRE PERFORMANCE

- 符合標準：CNS-14514認證標準。符合美國防火法規 ASTM E-814(同UL-1479及ASTM E-119)。
- 防火時效：貫穿部防火試驗CNS 14514 (2hr/阻熱T Rating)的防火認證標準。
- Standard Qualification: CNS-14514 certification standard. Complies with U.S. fire regulations ASTM E-814 (with UL-1479 and ASTM E-119).
- Fire resistant time: Penetration fire prevention test CNS 14514 (2hr / thermal resistance T Rating / cover flame F Rating) fire prevention certification standards.

## CERAMICS FIBER 陶瓷纖維棉 KT-4007

### 使用範圍 USE

陶瓷纖維棉是由三氧化二鋁、氧化鋯、二氧化矽等物質混合後熔融吹絲纖維化而製成絲棉。

Ceramic fiber cotton is made from aluminum oxide, zirconium oxide, silica and other substances mixed together, then melted and blown into fibers to for the cotton.

### 產品特性 PRODUCT FEATURES, SPECIFICATIONS

- 密度：130 ± 15% kg/m<sup>3</sup>
- 導熱係數：≤ 0.156w/m.k (平均溫度500 °C ± 10 °C)
- 耐高溫、耐化學性
- 加工性能優良
- 能耐急熱急冷
- 耐火極限：≥ 2hr(T Rating/ F Rating)
- 使用溫度：≥ 1200 °C
- Density: 130±15% kg/m<sup>3</sup>
- Thermal conductivity: ≤ 0.156w/m.k (average temperature 500 °C ± 10 °C)
- High temperature resistance, chemical resistance
- Excellent processing performance
- Capable of acute heating and acute cooling.
- Fire resistance limit: ≥ 2h(T Rating/F Rating)
- Operating temperature: ≥ 1200 °C



### 應用範圍 APPLICATIONS

適用於電纜線、金屬管、塑膠管、風管穿牆及樓板孔洞建物之防火填縫。防火被覆，窯爐，油管之防火內襯之斷熱，可搭配非凝固型防火泥、凝固型防火泥使用，施工之前必需先將孔洞內灰塵、油漬、碎物清理乾淨，用濕布擦拭乾淨，乾燥無塵後予以施工。

Used for fire prevention fillings for cables, metal pipes, plastic pipes, ducts, and gaps between walls and floors in the building. Fireproofing coating for furnaces, oil line inner fire proof sleeve tubing insulation, and can be used paired with Non-solidifying type fire resistant filler or Solidifying type fire resistant filler. Before use, the hole must be cleaned of dust, grease, and debris. Use a damp cloth to wipe clean, and install after drying and dust free.

# COMBUSTION PROOF FIRE RESISTANT BOARD

## 阻燃防火板 KT-3006

### 使用範圍 USE

KT-3006阻燃防火板係由砂石、防火纖維與矽酸鈣組成，更是一種無機不燃材料，能有效阻絕火焰瞬間延燒及濃煙毒氣擴散，降低火災蔓延擴大，主要適用於建築物管線貫穿防火封填耐燃材料，對於樓板與牆板之部分，因電纜線架、金屬管、塑膠管、風管、配線導管、匯流排等開孔貫穿，通常建議搭配：凝固型防火泥(KT-1003)、非凝固型防火泥(KT-1002)、凝固型膨脹防火泥(KT-1005)、阻燃防火包(KT-2005)使用，阻絕效果更佳。



KT-3006 combustion proof fire resistant board is made with silica, fireproof fiber, and calcium silicate, and is an inorganic non-combustible material. It can effectively prevent flames from instantaneously extending and prevent smoke and poisonous gas from spreading, reducing the spread of the fire. It is mainly suitable as building conduit penetration fire resistant sealant and filler. For floors and wall panels, cable trays, metal piping, plastic piping, air ducts, wiring conduits, wiring conduits opening penetration, etc. Normally, it can be used with Solidifying type fire resistant filler (KT-1003), Non-solidifying type fire resistant filler (KT-1002), Solidifying type expansion fire resistant filler (KT-1005), fire resistant packing (KT-2005), segregation affect is better.

### 產品特性 PRODUCT FEATURES, SPECIFICATIONS

- 施工簡易，容易拆移，可重複使用
- 不含石棉有毒物質
- 無揮發性物質
- 規格：1000mm\*1000mm\*10mm
- 耐火極限：≥2hr(T Rating/ F Rating)
- Easy to use, easy removal, and reusable
- Does not contain asbestos, toxic halogen
- Non-volatile substances
- Size: 1000mm \* 1000mm \* 10mm
- Fire resistance limit: ≥ 2h (T Rating/F Rating)

### 儲存 STORAGE

建議儲存室內通風乾燥陰涼處。  
Recommend storing indoors in a ventilated, shady, and dry area.

### 防火性能 FIRE PERFORMANCE

- 符合標準：CNS-14514認證標準。符合美國防火法規 ASTM E-814(同UL-1479及ASTM E-119)。
- 防火時效：貫穿部防火試驗CNS 14514 (2hr阻熱T Rating/ 遮焰F Rating)的防火認證標準。阻燃防火板CNS14705(耐燃二級)防火認證標準
- Standard Qualification: CNS-14514 certification standard. Complies with U.S. fire regulations ASTM E-814 (with UL-1479 and ASTM E-119).
- Fire resistant time: Penetration fire prevention test CNS 14514 (2hr / thermal resistance T Rating / cover flame F Rating) fire prevention certification standards. Combustion proof fire resistant board CNS14705 (level 2 flame resistance) fire prevention certification standards.

### 施工方式 METHOD OF USE

施工時，將防火材料平鋪於貫穿開口處，疊緊擠壓平均，之後再將阻燃防火板裁切所需之規格尺寸，完畢後用螺絲釘入即可。

When using, place fire resistant material in the opening and pack tightly together. Then trim the fire resistant board to the right size for the opening and screw it in place.

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