

## 試驗報告



報告編號: TB-19-02120

C-19-05036

頁數: 1 OF 3

報告日期: 108年05月02日

工程名稱: 國宇建材股份有限公司輕質磚  
 業主: 國宇建材股份有限公司  
 承包商: -----  
 委託單位: 國宇建材股份有限公司  
 供料廠商: 國宇建材股份有限公司  
 樣品名稱: 國宇輕質磚/ALC白磚  
 取樣人員: 國宇建材股份有限公司-廖建榮  
 送驗人員: 國宇建材股份有限公司-廖建榮  
 收件日期: 108年04月03日  
 試驗日期: 108年04月03日~108年05月02日

- 備註: 1. 以上資料由顧客提供(收件及試驗日期除外)  
 2. 除非另有說明, 此報告結果僅對測試之樣品負責  
 未經本公司事先書面同意, 此報告不可部分複製  
 3. 下述報告內容標示#處由顧客提供  
 4. 本樣品由SGS材料暨工程實驗室-斗六(申請書號碼: DB-19-00991 C-19-02743, 收件日期: 108年04月02日)轉送至本實驗室執行本報告所示之試驗項目。

### 試驗結果:

試驗方法		CNS 14705-1(2013)				
試驗項目		燃燒熱釋放率試驗				
試體名稱		國宇輕質磚/ALC白磚				
試驗日期		108年05月02日				
試體基本資料	試體序號	1	2	3	平均值	規範值
	加熱時間	20 min	20 min	20 min	-----	20 min
	長(mm)*寬(mm)	99 * 100	98 * 100	99 * 99	-----	-----
	厚度(mm)	44.7	44.9	43.6	-----	-----
	試體質量(g)	249.3	247.9	232.8	-----	-----
試驗結果	總熱釋放量 (MJ/m <sup>2</sup> )	2	1	1	1	≤8
	180秒平均熱釋放率 (kW/m <sup>2</sup> )	0.6	0.6	0.5	0.6	-----
	有效燃燒熱 (MJ/kg)	0.3	0.2	0.1	0.2	-----
	質量損失率 (g/(m <sup>2</sup> *s))	1.0	0.9	0.8	0.9	-----
	持續燃燒時間 (sec)	0	0	0	-----	-----
	最大熱釋放率無連續 10 秒以上超過200 kW/m <sup>2</sup>	符合	符合	符合	-----	符合
有無貫穿至背面之龜裂及孔穴	無	無	無	-----	無	
備註	1. 試片狀態之調節: 溫度 23 ± 2 °C 相對濕度 50 ± 5 % 處理至恆重					
	2. 試驗環境: 無風效應環境 溫度: 10 ~ 40 °C 相對濕度: 20 ~ 80 %					
3. 加熱條件: 電熱氣輻照度: 50 kW/m <sup>2</sup> 電熱器溫度: 730 °C ± 10 °C						
4. 校正係數: 0.040~0.045		5. 排氣流量: 0.024 ± 0.002 m <sup>3</sup> /S		6. 試體形狀: 正方形		
7. 樣品數目: 3個		8. 樣品材料: 廠商提供		9. 熱釋放率曲線: 見附圖		
符合CNS 14705-1(2013)規定之耐燃一級						

本報告若有提供規範值時, 該規範值僅供參考, 合格之判定以委託單位實際要求為準。

報告簽署人

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

## 試驗報告



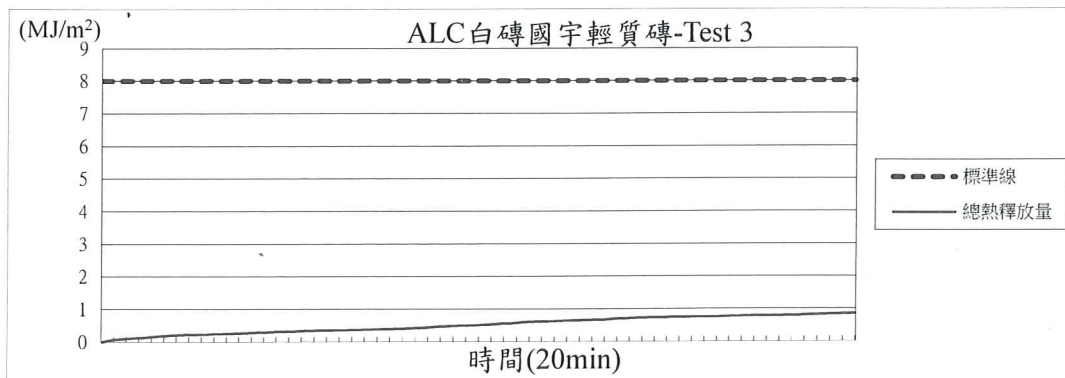
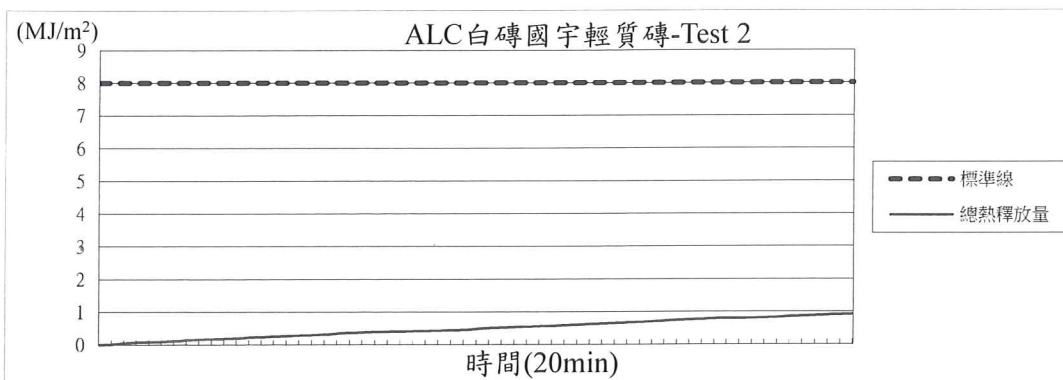
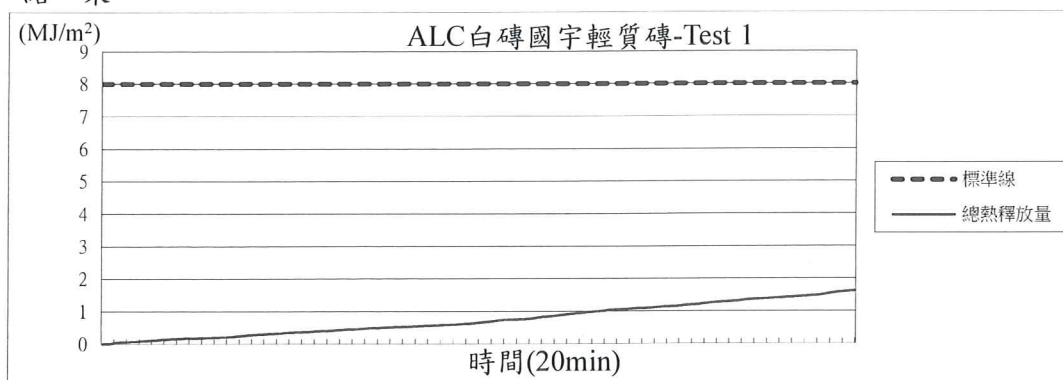
報告編號：TB-19-02120

C-19-05036

頁數：2 OF 3

報告日期：108年05月02日

=====  
試驗結果：



----- 2 -----

本報告若有提供規範值時，該規範值僅供參考，合格之判定以委託單位實際要求為準。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

## 試驗報告



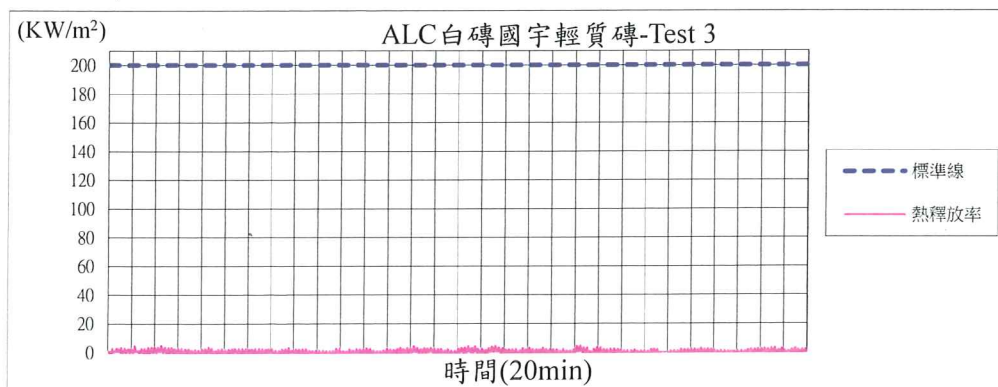
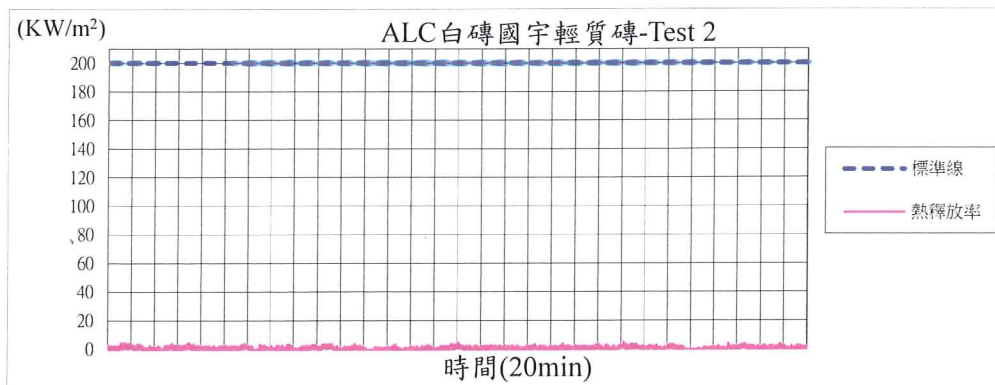
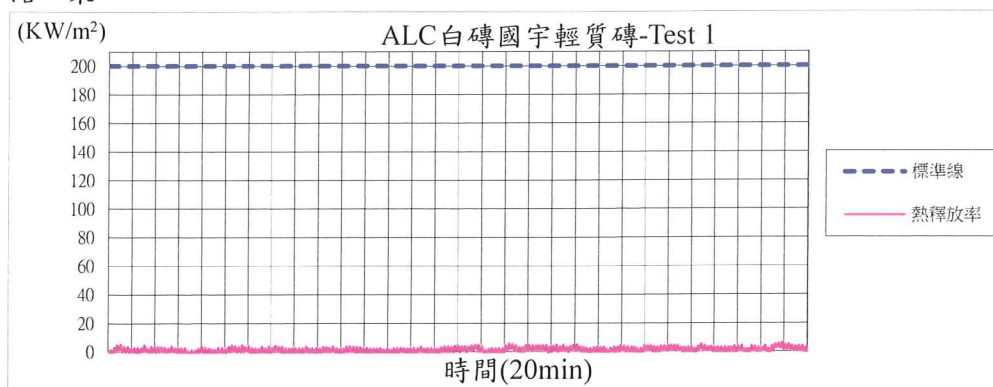
報告編號：TB-19-02120

C-19-05036

頁數：3 OF 3

報告日期：108年05月02日

### 試驗結果：



----- oOo -----

本報告若有提供規範值時，該規範值僅供參考，合格之判定以委託單位實際要求為準。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.