

# 試驗報告



報告編號：KV-19-07292

頁數：1 OF 2

報告日期：108年11月27日

善群實業有限公司

**產品名稱：**防水隔熱壓克力節能漆

**送驗廠商：**善群實業有限公司

**收件日期：**108年08月26日

**試驗日期：**108年08月26日~108年11月26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

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**試驗結果：**

試驗項目	試驗方法	試驗結果
抗拉強度(kgf/cm <sup>2</sup> )	CNS 3553(2016)	41.0
伸長率(%)	1A 型試片, v=500 mm/min.	315
耐水性(24 h)	CNS 10757(1995)	浸漬水中無異狀(註2)
耐酸性(10 % HCl, 24 h)		酸浸漬試驗無異常(註3)
耐酸性(10 % H <sub>2</sub> SO <sub>4</sub> , 24 h)		酸浸漬試驗無異常(註3)
耐鹼性(5 % Na <sub>2</sub> CO <sub>3</sub> , 24 h)		鹼浸漬試驗無異常(註3)
附著強度(標準狀態)(kgf/cm <sup>2</sup> )	CNS 8082(2010)	15.7
固成分(%)	CNS 10880-1(1994)	59.9
pH	參照 CNS 6492(1980)	7.78
耐候性(氙弧燈, 168 h)	CNS 11232(1985)	目視外觀無龜裂、變色現象
透水性(g/m <sup>2</sup> ·24h)	ASTM E96-16 Water Method	31.18
熱傳導係數(23 °C)(W/m·K)	ASTM C518-17	0.0412
日光反射率(300~2500 nm)(%)	參照 JIS R3106(2019)	91.72

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本報告若有提供規範值，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

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- 註：1.試驗樣品為單液型；抗拉強度及伸長率、透水性、熱傳導係數、日光反射率試驗試片由委託單位製備提供。
- 2.目視觀察塗膜確認無皺紋、起泡、龜裂、剝離之現象，放置2小時，觀察浸漬部份與未浸漬部份，光澤、雲霧狀、變色變化程度不大時，則評定為「浸漬水中無異狀」。
- 3.於取出試片後，立即並於標準狀態2個小時後，以目視觀察塗膜確認無膨脹、龜裂、脫離、針孔、軟化及生銹等缺失，更須觀察浸漬過之溶液無著色與無混濁，並認為原狀試片觀察比較光澤之變化且無較大程度之變色時，則評定為「酸(鹼)浸漬試驗無異常」。
- 4.加速耐候性試驗條件：  
 使用光源：氙弧燈  
 照射強度：0.51 W/m<sup>2</sup>·nm at 340 nm  
 黑嵌板溫度：(63 ± 3) °C  
 試驗槽溫度：(42 ± 3) °C  
 相對濕度：(50 ± 5) %  
 測試週期：102 分鐘照光+18 分鐘照光及噴水
- 5.熱傳導係數試驗條件：  
 試片類型：液態固化成型膜片  
 試樣厚度：3.535 mm(量測值)  
 養護條件：(22 ± 2) °C，(50 ± 10) % R.H.恆重  
 養護試片密度：1290.07 kg/m<sup>3</sup>  
 養護期間質量改變：0 g  
 量測過程之平均溫差：10 °C  
 平均溫度：23.96 °C  
 通過試片之熱流率密度：590.5 W/m<sup>2</sup>  
 儀器類型：單試片水平型，熱面在試片上方  
 試驗時環境溫度：(23 ± 2) °C，(50 ± 10) % R.H.
- 6.本試驗報告耐候性試驗委託 SGS-材料暨工程實驗室-台北執行。
- 7.本試驗報告抗拉強度及伸長率、pH、耐候性、透水性、日光反射率試驗非 TAF 認證範圍，其餘則是。

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