

試驗報告



報告編號：KV-12-11932X

頁數：1 OF 5

報告日期：101 年 11 月 23 日

南寶樹脂化學工廠股份有限公司
臺南市西港區南海里南海埔 12 號

本實驗室依照委託單位之要求,根據委託單位所提供之樣品敘述如下：

供應廠商：南寶樹脂化學工廠股份有限公司
樣品名稱：水性 815 隔熱漆
樣品型號：水性 815 隔熱漆
送驗人員：南寶樹脂化學工廠股份有限公司

本實驗室依照委託單位之要求,根據委託單位所提供之樣品進行試驗,結果如下：

委託試驗要求：(依照客戶提供之測試規格進行試驗，詳細內容請參照附頁。)

日光反射率(Solar Reflectance)
放射能量(Emittance)
日光反射指數(Solar Reflectance Index)

試驗方法：--如附頁所示--
試驗結果：--如附頁所示--
收件日期：101 年 11 月 21 日
試驗日期：101 年 11 月 21 日~101 年 11 月 23 日

----- 1 -----

「工業材料雜誌」2014年 8月號 332期 「建築用隔熱塗料」一文之參考資料
(材料世界網提供)

顏瑞旗

報告簽署人

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明,此報告結果僅對測試之樣品負責。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. 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.

試驗報告



報告編號：KV-12-11932X

頁數：2 OF 5

報告日期：101 年 11 月 23 日

1.日光反射率(Solar Reflectance):試驗設備：

名稱	廠牌	型號
Solar Spectrum Reflectometer	Devices and Services	SSR-ER

實驗室環境條件：

環境溫度：(23±2)°C

相對濕度：(50±5%)RH

試驗方法：

ASTM C1549-02 Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer

試驗條件：

檢測器 : Portable Solar Reflectometer
 空氣質量 : 1.5 beam normal
 量測角度 : 20°
 反射標準 : Mir #b34

試驗結果：

試驗項目	試驗方法	試驗結果
日光反射率(Solar Reflectance)(%)	ASTM C1549-02	83

----- 2 -----

「工業材料雜誌」2014年 8月號 332期 「建築用隔熱塗料」一文之參考資料
 (材料世界網提供)

顏瑞旗

報告簽署人

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明,此報告結果僅對測試之樣品負責。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. 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.

試驗報告



報告編號：KV-12-11932X

頁數：3 OF 5

報告日期：101 年 11 月 23 日

2.放射能量(Emittance):試驗設備：

名稱	廠牌	型號
Emissometer Scaling Digital Voltmeter	Devices and Services	AE1 RD1

實驗室環境條件：

環境溫度：(23±2)°C

相對濕度：(50±5%)RH

試驗方法：

ASTM C1371-04 Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers

試驗條件：

檢測器 : Portable Emissometer

參考標準 : 1.High Emittance Standard(Aluminum Hard Anodize Teflon infused)
2.Low Emittance Standard(Nickel Plated Brass)

試驗結果：

試驗項目	試驗方法	試驗結果
放射能量(Emittance)	ASTM C1371-04	0.83

----- 3 -----

「工業材料雜誌」2014年 8月號 332期 「建築用隔熱塗料」一文之參考資料
(材料世界網提供)

顏瑞旗

報告簽署人

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明,此報告結果僅對測試之樣品負責。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. 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.

TWA8304953

試驗報告



報告編號: KV-12-11932X

頁數: 4 OF 5

報告日期: 101 年 11 月 23 日

3.日光反射指數(Solar Reflectance Index):**試驗方法:**

ASTM E1980-01 Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces

試驗結果:

試驗項目	試驗方法	試驗結果
日光反射指數(SRI) ($12 \text{ W} \cdot \text{M}^{-2} \cdot \text{K}^{-1}$)	ASTM E1980-01	103

註:日光反射指數由日光反射率及放射能量計算而得。

----- 4 -----

「工業材料雜誌」2014年 8月號 332期 「建築用隔熱塗料」一文之參考資料
(材料世界網提供)

顏瑞旗

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明,此報告結果僅對測試之樣品負責。本報告未經本公司書面許可,不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. 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.

試驗報告



報告編號：KV-12-11932X

頁數：5 OF 5

報告日期：101 年 11 月 23 日

試驗圖片：



樣品圖示

----- o O o -----

「工業材料雜誌」2014年 8月號 332期 「建築用隔熱塗料」一文之參考資料
(材料世界網提供)

顏瑞旗

報告簽署人

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/en/Terms-and-Conditions/Terms-e-Document. 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.

TWA8304955