

Testing Laboratory 0292

材料及工程實驗室-台中

試驗報告

報告編號 : TV-16-01058Z : 1 OF 2 數 報告日期 : 105年04月27日

位: 國麗化工有限公司 託 產 品 名 稱: 氟碳粉末塗料

產 品 型 號: FR

送 廠 國麗化工有限公司 驗 商: 收 件 日 期:

104年 07月 30日 104年 07月 30日~105年 04月 27日 試 驗 日 期:

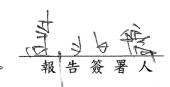
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試驗針里.

試驗結末・			
測試項目	試驗方法	試驗結果	規範要求
光澤度(60度)		34	
密著性			
乾膜		5B(100%)	100%
濕膜		5B(100%)	100%
沸水		5B(100%)	100%
耐衝擊性(5/8",160in-lb)		漆面無剝離現象	漆面無剝離現象
乾膜厚度(μm)	AAMA 2605-13	104	an de la
耐磨性(L/mil)		>40(註3)	40以上
乾膜硬度		2Н	
耐濕性 (100%RH,100°F,5000小時)		未起泡生銹	未起泡生銹
耐清潔劑	1	無起泡現象、	無起泡現象、
(3%重量)(100°F,72h)		外觀無明顯變化	外觀無明顯變化

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試驗結果:

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測試項目	試驗方法	試驗結果	規範要求
耐候性試驗(5000小時) a.色差(ΔE) b.光澤度保持率(%) c.外觀	ASTM G155-13	0.77 100 外觀無異狀	5 以下 外觀無異狀
鹽水噴霧試驗 (5%NaCl, 5000小時)	ASTM B117-11	無起泡或破損現象, 割線部分未產生 剝落銹蝕	無起泡或破損現象
耐化學性 鹽酸 硝酸(ΔE) 灰泥	AAMA 2605-13	顏色無明顯變化 顏色無明顯變化(0.13) 顏色無明顯變化	顏色無明顯變化 顏色變化不超過 5E 顏色無明顯變化
耐候後-腐蝕抵抗 乾膜厚度保留率(%)	AAMA 2605-13	100	
the state of the s	ナー・コー・エー・ホー・コー・ナー・ロナーエー・ウェ	工工儿 缀 山 刀 嗾 山 山 雨 土上田	くみ エスレンカニエ・ち ロ

- 註: 1.本試驗報告光澤度、密著性、耐衝擊性、乾膜硬度、耐化學性及鹽水噴霧試驗為TAF認可項目
 - 2.本試驗報告耐磨性試驗係委託SGS材料及工程實驗室-高雄執行
 - 3.耐磨性試驗依委託單位指定,試驗執行至>40 L/mil 時即停止,此時塗膜已破損,但破損大小未達 試驗終止點4 mm
 - 4.下列為鹽水噴霧試驗相關條件/Test Conditions:
 - (1)試驗液使用之鹽:一級試藥
 - (2)採取溶液濃度:5 w/v % NaCl
 - (3)試驗液使用之水:純水
 - (4)噴霧之暴露區溫度(°C):35.0±1.0
 - (5)噴霧量(ml/h/80cm²): 1.6 (Avg.)
 - (6)供給空氣壓力(kgf/cm²): 1.0 (Avg.)
 - (7)洗淨方式:試驗前-維持客戶送樣時之狀態
 - 試驗後-以100°F溫水沖洗刷後擦拭並乾燥

 - (8)採取溶液pH值: 6.6 (Avg.) (9)試體支撐方式: 15度角垂直放置

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- (10)保護方式種類:邊緣及背面金屬裸露部分採用蠟封法
- 5.耐濕性、耐候性、鹽水噴霧試驗是以Q panel AL-36標準版(客戶提供)為基材進行試驗

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