



材料規範

水性多功能保護漆:

由改質變性樹脂與特殊奈米材料組成的自交聯單一型樹脂，特別適用於高濕氣、高鹼度的牆面/地面/金屬材質。本產品防水性可耐長期受到強酸鹼性環境下，防水效果依然良好。

1. 水性環保樹脂，不含溶劑、無引火危險。
2. 不含八大重金屬，不會造成環境二次污染。
3. 低黏度、流動性佳，易施工，可形成平坦光滑的堅韌漆膜。
4. 濕潤性好、易填地坪孔洞，形成平整的表面。
5. 高附著力、高耐水性、可抗水氣蒸氣壓，可耐長期的高鹼性蒸氣壓，適合高濕氣牆面/地坪。
6. 在鐵材上具有抑銹功能(只須將鐵材表面生銹氧化面除去後即可施工)
7. 在高濕度環境下或地坪含水率高於 10%亦可施工。

用途：

1. 非常適合用於環氧樹脂/聚胺脂地坪的底塗。
2. 抵石子/仿石漆/室外塗料面漆。
3. 可用於水泥製品、混凝土上之強力防水保護漆。
4. 可用於廢水處理池，耐酸鹼保護塗裝。
5. 樹脂砂漿地坪用底漆。
6. 壁癌處理劑
7. 金屬保護漆
8. 壓花地坪保護漆
9. 戶外木器漆
10. 仿石漆金油

試驗項目	要求標準	試驗方法	備註
耐鹼性(40%氫氧化鈉，90 天)	無異狀	CNS 10757(1995)	
耐酸性(20%硫酸，90 天)	無異狀	CNS 10757(1995)	
耐飽食鹽水(飽和氯化鈉，90 天)	無異狀	CNS 10757(1995)	
透水性	小於 0.21	CNS 10757(1995)	
八大重金屬	無檢出	CNS4792-2(2004)	
百格測試-附著性	10 點	CNS 10757(1995)	



# HO YU TECHNOLOGY CO., LTD.

No.31, Ln. 295, Sec. 3, Hanxi W. Rd., Beitun Dist., Taichung City 406, Taiwan (R.O.C.)

TEL:+886-4-24361256 FAX:+886-4-24369829

耐污性(雄獅奇異筆，23°C經 18h)	無變化	CNS 10757(1995)	
塗膜之加熱安定性(150°C，24h)	無龜裂、剝離現象	CNS 10757(1995)	
耐衝擊性(重錘:500g，高度:300mm,衝頭直徑:12.7mm)	無龜裂、剝離現象	CNS 10757(1995)	

## 試驗報告



報告編號: TV-14-02738Z

頁數: 1 OF 1

報告日期: 103年 12月 17日

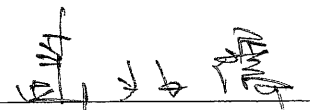
委託單位: 和友科技有限公司  
 地址: 臺中市北屯區旱溪西路3段295巷31號  
 產品名稱: 水性多功能保護漆  
 產品型號: VQ-66  
 產品顏色: 藍白色乳液  
 製造廠商: 和友科技有限公司  
 送驗廠商: 和友科技有限公司  
 收件日期: 103年 09月 02日  
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### 試驗結果

試驗項目	試驗方法	試驗結果
耐鹼性(40%NaOH, 室溫經90天)	CNS 10757(1995)	無異狀

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## 試驗報告



報告編號: TV-14-02737Z

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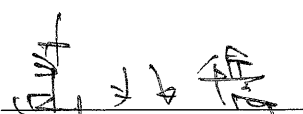
委託單位: 和友科技有限公司  
 地址: 臺中市北屯區旱溪西路3段295巷31號  
 產品名稱: 水性多功能保護漆  
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### 試驗結果

試驗項目	試驗方法	試驗結果
耐酸性(20% $H_2SO_4$ , 室溫經90天)	CNS 10757(1995)	無異狀

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## 試驗報告



報告編號: TV-14-02735Z

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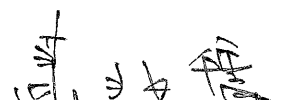
委託單位: 和友科技有限公司  
 地址: 臺中市北屯區旱溪西路3段295巷31號  
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 產品顏色: 藍白色乳液  
 製造廠商: 和友科技有限公司  
 送驗廠商: 和友科技有限公司  
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### 試驗結果

試驗項目	試驗方法	試驗結果
耐鹽水性(飽和食鹽水, 室溫經90天)	CNS 10757(1995)	無異狀

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材料及工程實驗室-台中

# 試驗報告



報告編號: TV-14-02731X

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 產品名稱: 水性多功能保護漆  
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## 試驗結果

試驗項目	試驗方法	試驗結果
透水性(ml)(20±3°C, 24h)	CNS 10757(1995)	0.20

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材料及工程實驗室-台中

### 試驗報告



報告編號：TV-14-02730X

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報告日期：103年09月12日

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 產品名稱：水性多功能保護漆  
 產品型號：VQ-66  
 產品顏色：藍白色乳液  
 製造廠商：和友科技有限公司  
 送驗廠商：和友科技有限公司  
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#### 試驗結果：

試驗項目	單位	試驗方法	試驗結果	偵測極限
重金屬含量				
溶出銻(Sb)	mg/kg	參考 CNS 4797-2(2004) 玩具安全 (特定元素之遷移), 以感應耦合電 漿原子發射光譜儀(ICP-AES)做分析	未檢出<5.0	5
溶出砷(As)	mg/kg		未檢出<2.5	2.5
溶出鋇(Ba)	mg/kg		未檢出<10	10
溶出鎘(Cd)	mg/kg		未檢出<5	5
溶出鉻(Cr)	mg/kg		未檢出<5	5
溶出鉛(Pb)	mg/kg		未檢出<5	5
溶出汞(Hg)	mg/kg		未檢出<5	5
溶出硒(Se)	mg/kg		未檢出<5	5


註: 1.本試驗報告重金屬含量測試係委託 SGS 化學實驗室-台北執行

2.重金屬含量試驗條件說明如下

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected / 未檢出
3. MDL = Method Detection Limit / 方法偵測極限值

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## 試驗報告



報告編號: TV-14-02733Z

頁數: 1 OF 1

報告日期: 103年 09月 12日

委託單位: 和友科技有限公司  
 地址: 臺中市北屯區旱溪西路3段295巷31號  
 產品名稱: 水性多功能保護漆  
 產品型號: VQ-66  
 產品顏色: 藍白色乳液  
 製造廠商: 和友科技有限公司  
 送驗廠商: 和友科技有限公司  
 收件日期: 103年 09月 02日  
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### 試驗結果

試驗項目	試驗方法	試驗結果
附著性-方格法	CNS 10757(1995)	10點

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## 試驗報告



報告編號: TV-14-02736Z

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 產品型號: VQ-66  
 產品顏色: 藍白色乳液  
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### 試驗結果

試驗項目	試驗方法	試驗結果
耐污染性(雄獅牌奇異筆, 23°C經18h)	CNS 10757(1995)	無變化

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材料及工程實驗室-台中

# 試驗報告



報告編號: TV-14-02732X

頁數: 1 OF 1

報告日期: 103年 09月 12日

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 產品型號: VQ-66  
 產品顏色: 藍白色乳液  
 製造廠商: 和友科技有限公司  
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## 試驗結果

試驗項目	試驗方法	試驗結果
塗膜之加熱安定性(150°C, 經24h)	CNS 10757(1995)	無龜裂、剝離現象

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## 試驗報告



報告編號: TV-14-02734Z

頁數: 1 OF 1

報告日期: 103年 09月 12日


委託單位: 和友科技有限公司  
 地址: 臺中市北屯區旱溪西路3段295巷31號  
 產品名稱: 水性多功能保護漆  
 產品型號: VQ-66  
 產品顏色: 藍白色乳液  
 製造廠商: 和友科技有限公司  
 送驗廠商: 和友科技有限公司  
 收件日期: 103年 09月 02日  
 試驗日期: 103年 09月 02日~103年 09月 12日  
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### 試驗結果

試驗項目	試驗方法	試驗結果
耐衝擊性(重錘:500g, 高度:300mm, 衝頭直徑12.7mm)	CNS 10757(1995)	無龜裂、剝離現象

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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

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